

Healthy Maryland Chart Book 2002



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November 2002

The Healthy Maryland Chart Book 2002

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Healthy Maryland Chart Book 2002



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Foreword

This chart book offers a general assessment of a variety of public health indicators and represents a baseline perspective for monitoring Maryland's health status over the next decade. It is a continuation of Maryland's response to Healthy People – Healthy Maryland Project 2010. It provides health planners, policymakers, local health officials, and others interested in health with current measures in the ongoing process and endeavor to improve the health of Maryland citizens. It is intended to provide a descriptive snapshot of statewide trends, health disparities, and jurisdictional estimates of a broad array of health status indicators. The U.S. Department of Health and Human Services (DHHS) has taken the lead responsibility for coordinating the effort and expertise to define, set, and monitor health status objectives that impact the health and well-being of our population. One of the primary Healthy People 2010 goals is to eliminate health disparities. Section III of this report presents some notable health disparities relevant to racial differences.

The Healthy People process began in 1979 with *The Surgeon General's Report of Health Promotion and Disease Prevention*, and continued to evolve and in 1990, *Healthy People 2000: National Health Promotion and Disease Prevention Objectives* was formed. In 2000, the *Healthy People 2010: Objectives for Improving Health* was launched with the continued mission of promoting health and preventing disease, disability, and premature death. Approximately 467 objectives within 28 focus areas compose the framework for addressing the health concerns in our society. Healthy People 2010 encouraged states and local jurisdictions to develop a Health Improvement Plan (HIP). The *Maryland Health Improvement Plan* (June 2001) addressed 17 different priority areas at the state level and a relevant array of priority areas from each of Maryland's local jurisdictions.

Section I of this chart book presents current Maryland data on population, income, poverty, health insurance, and leading causes of death. Section II reviews the statewide goals and objectives that were established in response to the Healthy People 2000 initiative of the 1990's. This section presents detailed tables to update the baseline estimates that were reported in *Healthy Maryland 2000, Volume 2* with current Maryland values.

Section III presents current Maryland, United States, and Healthy People 2010 baseline values, where available, on the Leading Health Indicators (LHIs) that are a part of the Healthy People 2010 initiative. The LHIs were established by interagency health officials, focus groups, and scientific models developed by the Institute of Medicine and the National Academy of Sciences.

A comprehensive review of the Healthy People 2010 objectives was conducted by the Office of Local Health to determine how and which objectives could be measured and tracked by existing state or national data resources. Section IV concentrates on approximately 17 of the 28 priority areas outlined in Healthy People 2010. The tables, graphs, and maps are presented in the same chapter order as used in Healthy People 2010. Where possible, Healthy People 2010 targets or the most recent U.S. estimate were used as benchmarks for Maryland values.

Acknowledgements

The Office of Local Health gratefully acknowledges appreciation to all the people who made this Chart Book possible. A detailed list of contributors is provided in an appendix. These include:

- Colleagues and contributors from the Maryland Department of Health and Mental Hygiene for their consultation, advice, technical support, and review.
- Data stewards, collectors, processors, and analysts at the State and national level for their willingness to share in data acquisition and data exchanges.
- Maryland Department of Health and Mental Hygiene, Graphics Division
- Project participants in the Office of Local Health included:
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An electronic copy of this Chartbook is available on: <http://www.cha.state.md.us/ohp>

SECTION I

MARYLAND: At A GLANCE

Maryland: At a Glance

Maryland, to its residents, is known as the mini-United States, having many of the features of the continental United States within the state. Maryland's eclectic characteristics and broad diversity brings a wealth of resources as well as challenges in meeting the health needs of Marylanders.

Population

Maryland's total population was estimated at 5,296,486 in 2000. The population has increased 10 percent since 1990, and the diversity in the number of ethnic groups have increased. The white population has declined slightly in number but represents 64 percent of Maryland's residents. Minorities make up over 30 percent of Maryland's population. As part of the 2000 Census, respondents were given the option to identify themselves by more than one race. This difference in classification has allowed for a more specific racial representation of the population. In 2000, a total of 103,587 Maryland residents (2 percent) self-identified as more than one race. Among Maryland's jurisdictions, Montgomery County had the most residents reporting more than one race and Kent County had the least. The majority of residents who identified themselves by more than one race resided in the more urban, metropolitan jurisdictions of the state. The median age of Marylanders is 36 years. Maryland has a slightly larger percentage of women (51.7 percent) than men (48.3 percent).

Income, Poverty Status, and Health Insurance

Maryland's 1999 median household income was \$52,868 and higher than the nation (based on 1999 reported incomes). The 1999 median income among U.S. households was \$40,816. An estimated 8.8 percent of Marylanders (approximately 454,060 people) lived in poverty based on 1998 model income levels reported in the 1999 Current Population Survey. The 1998 U.S. estimate of persons in poverty was 12.7 percent. Poverty estimates by Maryland jurisdiction for 1998 ranged from 3.9 percent in Howard County to 21.8 percent in Baltimore City. The U.S. Census Bureau estimated the proportion of Marylanders without health insurance at 9.9 percent in 2000. The uninsured population in Maryland has declined over the years (see Section IV, page 34) and is lower than the current U.S. value (14.0 percent) as well as the Healthy People 2010 baseline (17 percent in 1997).

Leading Causes of Death

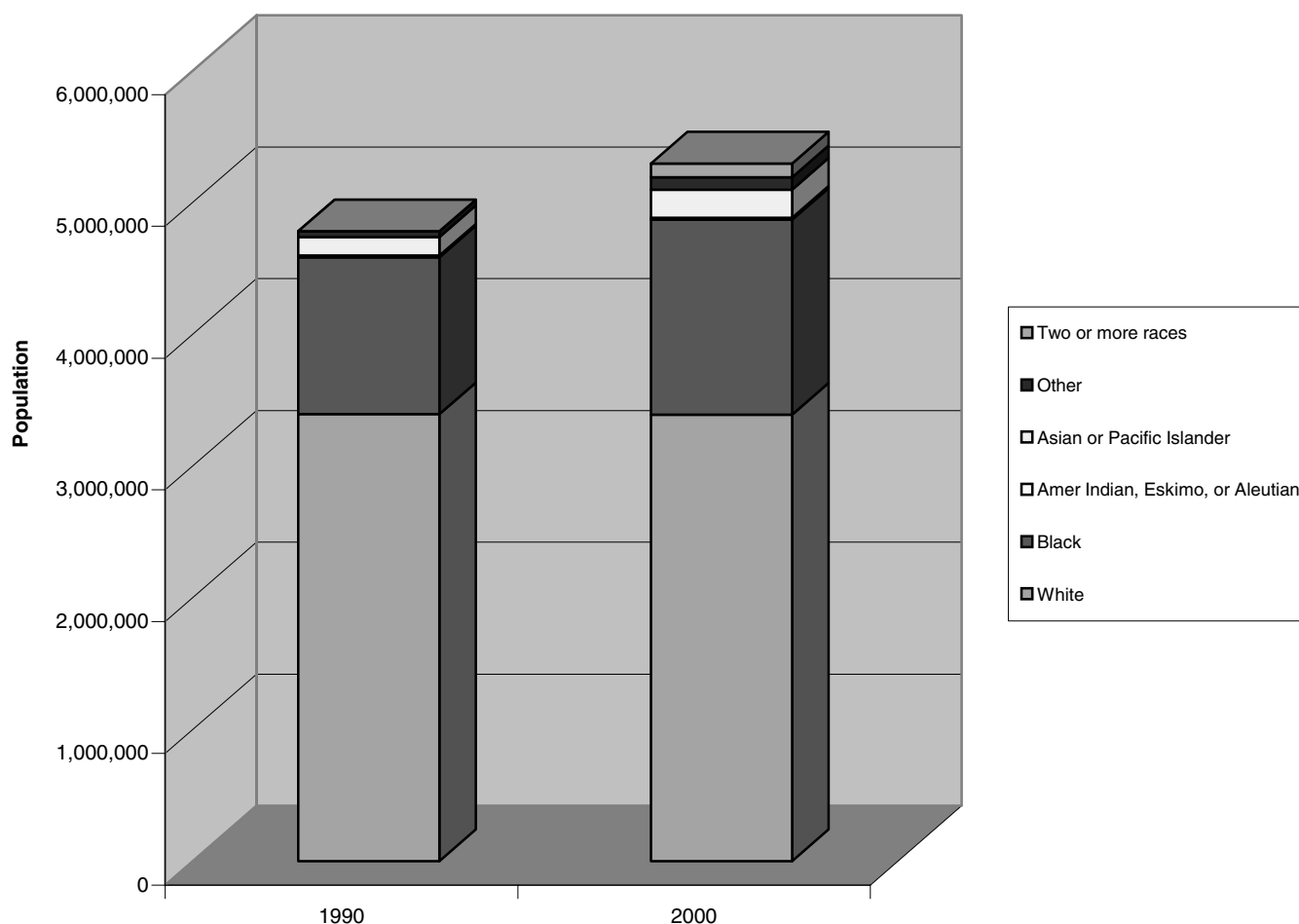
The leading causes of death in order for Maryland in 2000 were: Diseases of the heart, Malignant Neoplasms, Cerebrovascular diseases, Chronic lower respiratory diseases, Diabetes mellitus, Accidents, Influenza and pneumonia, and Septicemia. Maryland's leading causes of death mirror those reported for the U.S. in 2000, except that Accidents preceded Diabetes, and Nephritis, nephritic syndrome and nephrosis preceded Septicemia.

MARYLAND DEMOGRAPHIC CHARACTERISTICS

Maryland Population by Race Categories , 1990 and 2000

| Race | 1990 | Race | 2000 |
|----------------------------------|------------------|---|------------------|
| White | 3,393,964 | White | 3,391,308 |
| Black | 1,189,899 | Black | 1,477,411 |
| American Indian or Alaska Native | 12,972 | American Indian or Alaska Native | 15,423 |
| Asian or Pacific Islander | 139,719 | Asian | 210,929 |
| Some Other Race | 44,914 | Native Hawaiian or Other Pacific Islander | 2,303 |
| Two or More Races | N/A | Some Other Race | 95,525 |
| | | Two or more races | 103,587 |
| | 4,781,468 | Total | 5,296,486 |

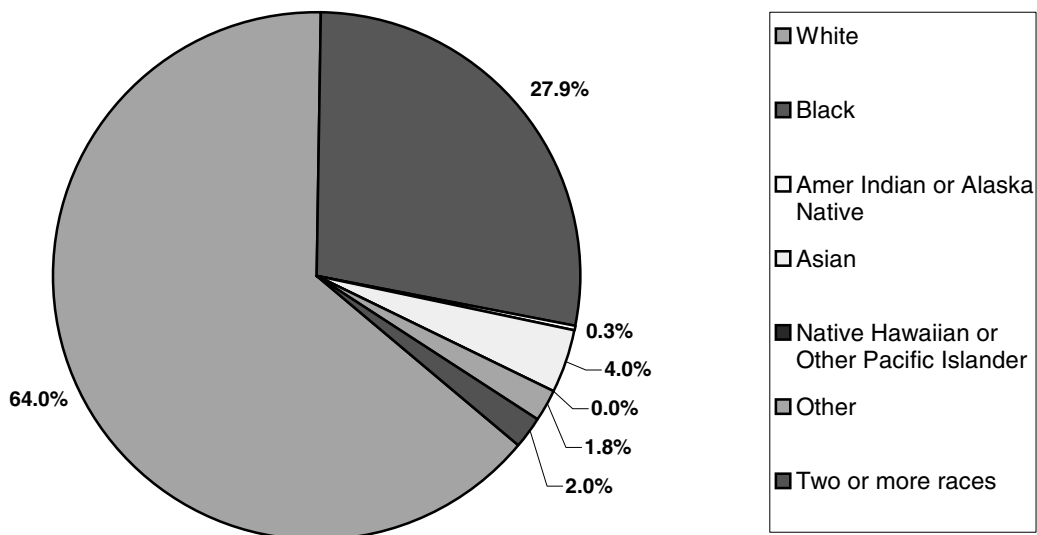
Population Race Distribution of Maryland Residents, 1990 and 2000



Source: U.S. Department of Commerce, U.S. Census Bureau 2000,
 Profile of General Demographics Characteristics for Maryland;
 1990: www.census.gov/Press-Release/www/2001/tables/dp_md_1990.pdf - 9/18/02
 2000: censtats.census.gov/data/MD/04024.pdf - 9/18/02

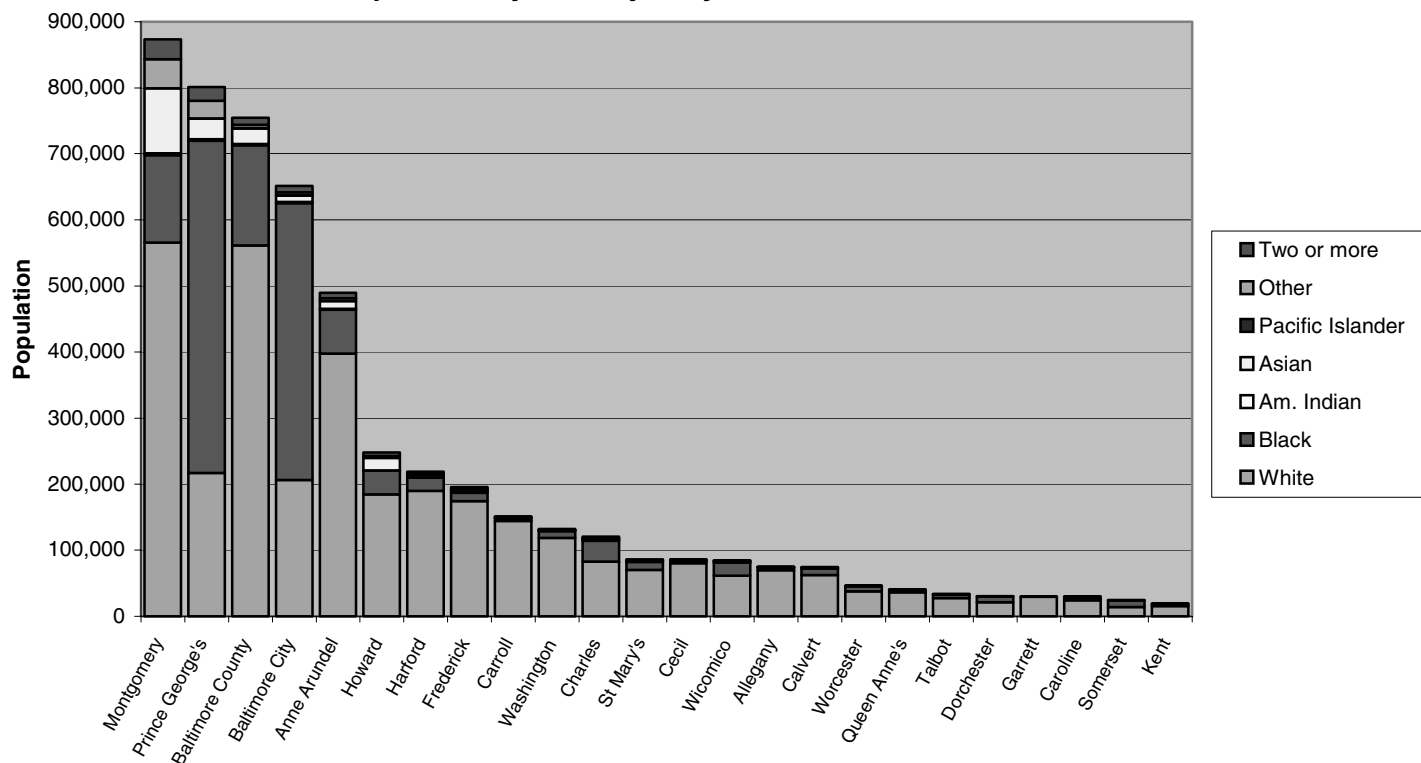
MARYLAND DEMOGRAPHIC CHARACTERISTICS

Race Distribution of Maryland (2000)



Source: U.S. Department of Commerce, U.S. Census Bureau 2000,
Profile of General Demographics Characteristics for Maryland;
2000: censtats.censusgo/data/MD/04024.pdf – 9/18/02

Population by Race by Maryland Jurisdiction, 2000



Source: Maryland State Data Center, Maryland Department of Planning,
Census 2000 Sample Data Profile by Maryland's Jurisdictions;
(www.mdp.state.md.us/msdc/census/cen2000/sf3/sumyprof/DP1_4/sf3cnty_idx.htm-9/18/02)

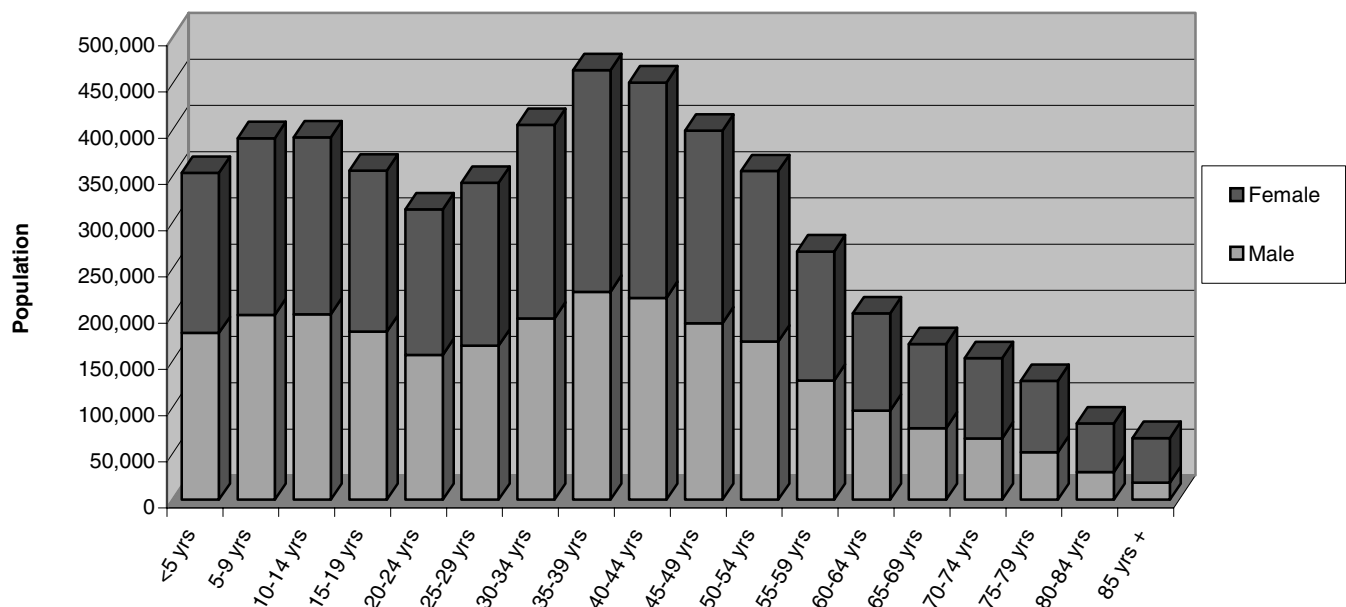
MARYLAND DEMOGRAPHIC CHARACTERISTICS

Population by Maryland Jurisdiction, 2000

| | White | Black | Am. Indian | Asian | Pacific Islander | Other | Two or more | Hispanic | Total |
|------------------|---------|---------|------------|--------|------------------|--------|-------------|----------|---------|
| Montgomery | 565,719 | 132,256 | 2,544 | 98,651 | 412 | 43,642 | 30,117 | 100,604 | 873,341 |
| Prince George's | 216,729 | 502,550 | 2,795 | 31,032 | 447 | 27,078 | 20,884 | 57,057 | 801,515 |
| Baltimore County | 561,132 | 151,600 | 1,923 | 23,947 | 242 | 4,685 | 10,763 | 13,774 | 754,292 |
| Baltimore City | 205,982 | 418,951 | 2,097 | 9,985 | 222 | 4,363 | 9,554 | 11,061 | 651,154 |
| Anne Arundel | 397,789 | 66,428 | 1,455 | 11,225 | 310 | 4,164 | 8,285 | 12,902 | 489,656 |
| Howard | 184,215 | 35,730 | 583 | 19,037 | 87 | 2,755 | 5,435 | 7,490 | 247,842 |
| Harford | 189,678 | 20,260 | 498 | 3,313 | 129 | 1,500 | 3,212 | 4,169 | 218,590 |
| Frederick | 174,432 | 12,429 | 404 | 3,269 | 61 | 1,806 | 2,876 | 4,664 | 195,277 |
| Carroll | 144,399 | 3,433 | 330 | 1,134 | 28 | 471 | 1,102 | 1,489 | 150,897 |
| Washington | 118,348 | 10,247 | 239 | 1,050 | 55 | 611 | 1,373 | 1,570 | 131,923 |
| Charles | 82,587 | 31,411 | 907 | 2,192 | 70 | 869 | 2,510 | 2,722 | 120,546 |
| St Mary's | 70,320 | 12,003 | 291 | 1,553 | 67 | 525 | 1,452 | 1,720 | 86,211 |
| Cecil | 80,272 | 3,361 | 280 | 593 | 25 | 430 | 990 | 1,306 | 85,951 |
| Wicomico | 61,438 | 19,717 | 185 | 1,478 | 18 | 678 | 1,130 | 1,842 | 84,644 |
| Allegany | 69,702 | 4,006 | 114 | 390 | 19 | 140 | 559 | 571 | 74,930 |
| Calvert | 62,578 | 9,773 | 220 | 655 | 21 | 368 | 948 | 1,135 | 74,563 |
| Worcester | 37,791 | 7,754 | 86 | 282 | 9 | 170 | 451 | 596 | 46,543 |
| Queen Anne's | 36,120 | 3,560 | 90 | 232 | 10 | 173 | 378 | 444 | 40,563 |
| Talbot | 27,720 | 5,193 | 60 | 270 | 45 | 259 | 265 | 615 | 33,812 |
| Dorchester | 21,302 | 8,708 | 70 | 202 | 1 | 119 | 272 | 385 | 30,674 |
| Garrett | 29,496 | 128 | 22 | 57 | 7 | 26 | 110 | 131 | 29,846 |
| Caroline | 24,322 | 4,398 | 110 | 163 | 5 | 376 | 398 | 789 | 29,772 |
| Somerset | 13,949 | 10,172 | 92 | 116 | 4 | 118 | 296 | 334 | 24,747 |
| Kent | 15,288 | 3,343 | 28 | 103 | 9 | 199 | 227 | 546 | 19,197 |

Source: Maryland State Data Center, Maryland Department of Planning,
Census 2000 Sample Data Profile by Maryland's Jurisdictions;
(www.mdp.state.md.us/msdc/census/cen2000/sf3/sumyprof/DP1_4/sf3cnty_idx.htm - 9/18/02)

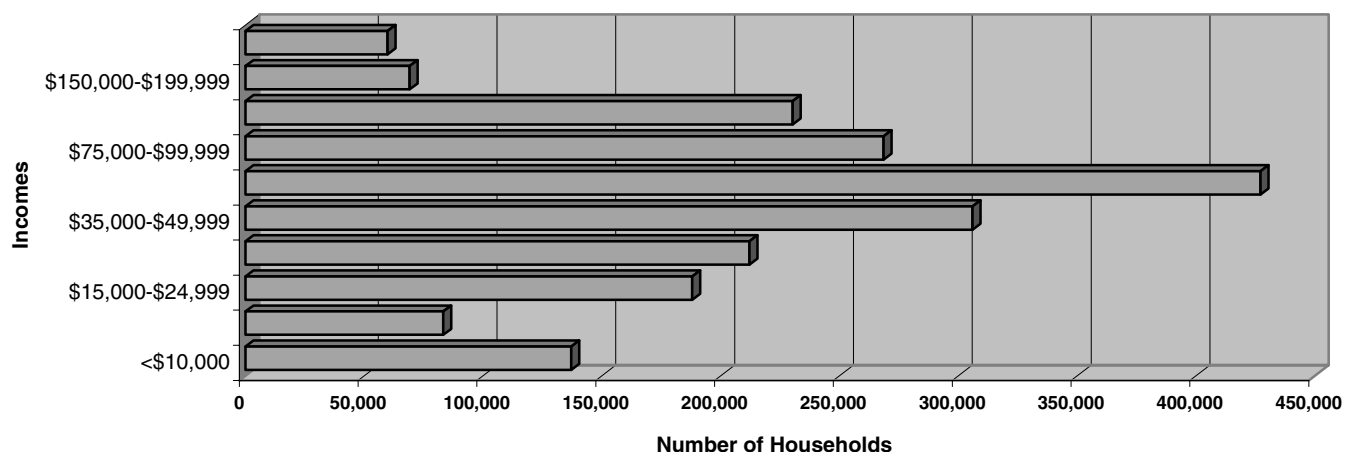
Age Distribution of Marylanders by Gender, 2000



Source: Maryland State Data Center, Maryland Department of Planning,
2000 Census Summary File One (SF1), Maryland Population Characteristics;
(www.mdp.state.md.us/msdc/PFA/msdt_p.pdf - 9/18/02)

MARYLAND DEMOGRAPHIC CHARACTERISTICS

Income Distribution of Maryland by Households (2000)



Source: Maryland State Data Center, Maryland Department of Planning, Profile of Selected Economic Characteristics, 2000;
(www.mdp.state.md.us/msdc/census/cen2000/sf3/sumyprof/DP3-chg/md_dp3.xls - 9/18/02)

Estimated Number and Percent of all Ages in Poverty
By County: Maryland 1998*

| State and County | Number | Percent |
|------------------------|---------|---------|
| Maryland | 454,060 | 8.8 |
| Allegany County | 10,473 | 15.1 |
| Anne Arundel County | 26,028 | 5.5 |
| Baltimore County | 52,209 | 7.3 |
| Calvert County | 4,556 | 6.1 |
| Caroline County | 3,515 | 12.0 |
| Carroll County | 6,891 | 4.5 |
| Cecil County | 6,707 | 8.0 |
| Charles County | 8,340 | 6.9 |
| Dorchester County | 4,455 | 15.0 |
| Frederick County | 10,331 | 5.5 |
| Garrett County | 4,445 | 15.2 |
| Harford County | 12,875 | 5.9 |
| Howard County | 9,558 | 3.9 |
| Kent County | 1,891 | 10.4 |
| Montgomery County | 45,718 | 5.3 |
| Prince George's County | 67,094 | 8.7 |
| Queen Anne's County | 2,722 | 6.7 |
| St. Mary's County | 7,011 | 8.0 |
| Somerset County | 3,946 | 19.8 |
| Talbot County | 3,036 | 9.1 |
| Washington County | 11,779 | 9.7 |
| Wicomico County | 10,112 | 13.0 |
| Worcester County | 4,738 | 10.9 |
| Baltimore City | 135,630 | 21.8 |

Source: U.S. Department of Commerce, U.S. Census Bureau, County Estimates for People of All Ages in Poverty for Maryland, 1998; www.census.gov/hhes/saie/stcty/298_24.htm - (9/20/02).

*Estimates model 1998 income reported in the March 1999 Current Population Survey and were the latest data available by jurisdiction.

MARYLAND DEMOGRAPHIC CHARACTERISTICS

| Leading Causes of Death (All Ages), Maryland, 2000 | | |
|---|--------|---------|
| | Number | Percent |
| All Causes | 43,602 | 100.0 |
| Diseases of the Heart | 12,285 | 28.2 |
| Malignant Neoplasms | 10,248 | 23.5 |
| Cerebrovascular Diseases | 2,933 | 6.7 |
| Chronic Lower Respiratory Diseases | 1,922 | 4.4 |
| Diabetes Mellitus | 1,512 | 3.5 |
| Accidents | 1,114 | 2.6 |
| Influenza and Pneumonia | 1,113 | 2.6 |
| Septicimia | 956 | 2.2 |

Source: Department of Health and Mental Hygiene, Vital Statistics Administration,
Maryland Vital Statistics Annual Report, 2000

| Leading Causes of Death (All Ages), United States, 2000 | | |
|--|-----------|---------|
| | Number | Percent |
| All Causes | 2,403,351 | 100.0 |
| Diseases of the Heart | 710,760 | 29.6 |
| Malignant Neoplasms | 553,091 | 23.0 |
| Cerebrovascular Diseases | 167,661 | 7.0 |
| Chronic Lower Respiratory Diseases | 122,009 | 5.1 |
| Accidents | 97,900 | 4.1 |
| Diabetes Mellitus | 69,301 | 2.9 |
| Influenza and Pneumonia | 65,313 | 2.7 |
| Alzheimer's Disease | 49,558 | 2.1 |
| Nephritis, nephrotic syndrome, and nephrosis | 37,251 | 1.5 |
| Septicimia | 31,224 | 1.3 |

Source: Department of Health and Human Services, Centers for Disease Control
 and Prevention, National Center for Health Statistics, National Vital Statistics
 System, *Deaths: Leading Causes for 2000*, Volume 50, No.16.

SECTION II

HEALTHY MARYLAND 2000 INDICATORS

HEALTHY MARYLAND 2000 INDICATORS

Healthy Maryland 2000 Volumes I and II were reports completed in response to the federal Healthy People 2000 initiative for the nation. Healthy Maryland Volume I (May 1993) was completed in response to Objective 22.5 which requested that States implement periodic analysis and publication of data needed to measure progress toward objectives for at least ten of the twenty-two priority areas of the national health objectives. Eighteen of the twenty-two priority areas were addressed in that report. Healthy Maryland Volume II (September 1996) was completed in response to Healthy People 2000 Objective 22 which recommended that States develop a set of health status indicators to monitor and assess the progress toward achieving priority areas of health. Continued progress toward meeting the eighteen priority areas established in Volume I was addressed in Volume II. Additionally, Maryland specific objectives and targets were established.

This section reports on approximately thirty-nine Healthy Maryland 2000 objectives for the State, and is intended to profile progress toward Healthy Maryland 2000 targets. The baseline measure, current Maryland value, and year 2000 target are presented for each objective. Healthy Maryland and Healthy People 2000 targets are the same for many objectives. In some instances, a different target from the Healthy People 2000 target for Maryland was established. Data could not be assembled for five objectives; these were designated as “Not Reported”, “Not Available”, or “Program Discontinued”.

For indicators with current Maryland values reported, Maryland met or exceeded the Healthy Maryland 2000 target for the following targets:

- Health Insurance
- Primary Care Health Professional Shortage Areas (HPSAs)
- Lung Cancer Deaths
- Breast Cancer Deaths
- Teen Birth Rates (Ages 15 to 17 years, all races)
- Very Low Birth Weight (Whites)
- Measles (Children <5 years)
- Hepatitis B (All ages)
- Salmonella infections (food service facilities)
- Diagnosed AIDS Cases
- Gonorrhea
- Suicide
- Alcohol-Related Motor Vehicle Crashes
- Tobacco Use Among Pregnant Women

HEALTHY MARYLAND 2000 INDICATORS

| Indicator | Healthy Maryland Baseline | Current Maryland Value | Healthy Maryland 2000 Target | Healthy People 2000 Target |
|--|-------------------------------|--------------------------|---------------------------------|----------------------------|
| Access | | | | |
| 1. Increase access to affordable, comprehensive health insurance benefits for the small business community ¹ | 13-16% | 12% | 1% decrease in the uninsured | ---- |
| 2. Access to primary health care in the underserved areas (HPSAs = Health Professional Shortage Areas) | 17 state areas were HPSAs | 13 new HPSAs established | Evaluate >=10 new HPSAs | ---- |
| 3. Early, Periodic Screening, Diagnosis, and Treatment (EPSDT) checkups for children with Maryland Medical Assistance coverage | 82% | N/R* | 90% | ---- |
| 4. Enrolling low-income children with no health insurance into the Maryland Kids Count Program | 23% of eligible were enrolled | Program Discontinued | Enroll 50% of eligible children | ---- |
| 5. All hospitals will provide appropriate preventive services for communities' priority health needs | 83% | N/R* | 100% | ---- |
| Baseline Current Value | | | | |
| 1. 1992 1999-2000 | | | | |
| 2. 1995 1999 | | | | |
| 3. 1994 N/R | | | | |
| 4. 1995 Discontinued | | | | |
| 5. 1995 N/A | | | | |

*N/R = Not reported

Met or exceeded the Healthy Maryland 2000 target.

| Indicator | Healthy Maryland Baseline | Current Maryland Value | Healthy Maryland 2000 Target | Healthy People 2000 Target |
|--|-----------------------------|-----------------------------|------------------------------|----------------------------|
| Cardiovascular Disease | | | | |
| 1. Reduce total cardiovascular risk factors by one among adults with one or more risk factors ² | 80% with 1; 20% with >3 | N/R* | By 1 | ----- |
| 2. Reduce the proportion of people who engage in no leisure time physical activity ³ | 30.8% | 24.2% | 15% | 15% |
| 3. Increase the proportion of people who engage in light to moderate physical activity ⁴ | 16.5% | 22.3% | 30% | 30% |
| 4. Increase the proportion of adults of who consume >= 5 fruits and vegetables per day ⁵ | 26.1% | 27.4% | 3.8 servings ⁵ | 5.0 servings ⁵ |
| Cancer | | | | |
| 1. Reduce the rate of deaths due to lung cancer ⁶ | 53.9 per 100,000 | 48.8 per 100,000 | <50.6 per 100,000 | 42.0 per 100,000 |
| 2. Reduce the mortality due to breast cancer among women ⁶ | 27.1 per 100,000 | 23.3 per 100,000 | 25.2 per 100,000 | 20.6 per 100,000 |
| Diabetes | | | | |
| Reduce the rate of non-traumatic lower extremity amputations in diabetic African Americans ⁷ | 10.5 per 1,000 | 8.2 per 1,000 | 6.1 per 1,000 | 6.1 per 1,000 |
| Cardiovascular Disease | Cancer | Diabetes | | |
| Baseline Current Value | Baseline Current Value | Baseline Current Value | | |
| 1. 1992 N/A | 1. 1993 1999 | 1992 1999 | | |
| 2. 1989-1994 2000 | 2. 1993 1999 | | | |
| 3. 1989-1994 2000 | | | | |
| 4. 1994 2000 | | | | |

*N/R = Not reported

Met or exceeded the Healthy Maryland 2000 target.

HEALTHY MARYLAND 2000 INDICATORS

| Indicator | Healthy Maryland Baseline | Current Maryland Value | Healthy Maryland 2000 Target | Healthy People 2000 Target |
|--|---|---|------------------------------|----------------------------|
| Family Planning | | | | |
| Reduce the rate of births among adolescent females 15-17 years of age | 33.6 per 1,000 | 25.1 per 1,000 | 30 per 1,000 | ---- |
| Maternal and Infant Health | | | | |
| 1. Reduce the rate of low birth weight infants (all races) | 8.4 | 8.7 | GNS* | 5% |
| 2. Reduce the rate of low birth weight infants among African Americans | 13.5% | 12.9% | 9% | 9% |
| 3. Reduce the rate of low birth weight infants among whites | 5.8% | 6.4% | 5% | ---- |
| 4. Reduce the rate of very low birth weight infants (all races) | 1.8% | 1.9% | GNS* | 1% |
| 5. Reduce the rate of very low birth weight infants among African Americans | 3.3% | 3.3% | 2% | 2% |
| 6. Reduce the rate of very low birth weight infants among whites | 1.0% | 1.2% | 1% | ---- |
| 7. Improve breastfeeding initiation of new mothers in the early postpartum period | 55.2% MD Total; 31.4% WIC | 61.4% MD Total; 48.4% WIC | 75% | 75% |
| 8. Rescreen all babies who were inadequately screened at the time of hospital discharge in a timely manner | 83% rescreened / 69% rescreened on time | 89.3% rescreened / 67.9% rescreened on time | 100% | 95% |
| Family Planning | Maternal/Infant Health | | | |
| Baseline Current Value | Baseline Current Value | | | |
| 1993 1999 | 1. 1993 2000 | | | |
| | 2. 1993 2000 | | | |
| | 3. 1993 2000 | | | |
| | 4. 1993 2000 | | | |
| | 5. 1993 2000 | | | |
| | 6. 1993 2000 | | | |
| | 7. 1994 2001 | | | |
| | 8. 1994 2000 | | | |

*GNS = Goal not set for this indicator

Met or exceeded the Healthy Maryland 2000 target.

| Indicator | Healthy Maryland Baseline | Current Maryland Value | Healthy Maryland 2000 Target | Healthy People 2000 Target |
|--|---------------------------|------------------------|------------------------------|----------------------------|
| Immunization and Infectious Diseases | | | | |
| Childhood Immunizations | | | | |
| Reduce the annual number of cases for: | | | | |
| 1. whooping cough (<5 yrs) ⁸ | 28 cases | 72 cases | 0 cases | ---- |
| 2. mumps (<5 yrs) ⁸ | 12 cases | 1 case | 0 cases | ---- |
| 3. measles (<5 yrs) ⁸ | 2 cases | 0 cases | 0 cases | 0 cases |
| 4. H. influenzae type b (<5 yrs) ⁸ | N/A | 2 cases | 0 cases | ---- |
| 5. Reduce the annual number of cases of Hepatitis B (all ages) ⁸ | 335 cases | 131 cases | 270 cases | ---- |
| 6. Increase immunization levels for children through age 2 years diphtheria, tetanus, whooping cough, polio, measles, mumps, and rubella | 81% | 80% | 95.0% | 90.0% |
| 7. Reduce the tuberculosis case rate | 7.3 per 100,000 | 5.3 per 100,000 | 3.5 per 100,000 | 3.5 per 100,000 |
| Foodborne Diseases | | | | |
| 8. Reduce the incidence of <i>Salmonella enteritidis</i> infections associated with food service facilities | 4.7 | 3.0 | 4.0 | ---- |
| Baseline Current Value | | | | |
| 1. 1994 2000 | | | | |
| 2. 1994 2000 | | | | |
| 3. 1994 2000 | | | | |
| 4. 1994 2000 | | | | |
| 5. 1994 2000 | | | | |
| 6. 1995 2000 | | | | |
| 7. 1994 2000 | | | | |
| 8. 1994 1999 | | | | |

Met or exceeded the Healthy Maryland 2000 target.

HEALTHY MARYLAND 2000 INDICATORS

| Indicator | Healthy Maryland Baseline | Current Maryland Value | Healthy Maryland 2000 Target | Healthy People 2000 Target |
|--|--|------------------------------|------------------------------|----------------------------|
| HIV/AIDS | | | | |
| Confine the annual number of diagnosed AIDS cases ⁹ | 2058 cases | 1303 cases | 2000 cases | ---- |
| Sexually Transmitted Diseases | | | | |
| 1. Reduce the rate of gonorrhea ¹⁰ | 336.0 per 100,000 | 185.7 per 100,000 | 343 per 100,000 | 100 per 100,000 |
| 2. Reduce the rate of syphilis ¹⁰ | 6.5 per 100,000 | 5.7 per 100,000 | 4 per 100,000 | 4 per 100,000 |
| 3. Reduce the congenital syphilis rate ¹⁰ | 29.8 per 100,000 live births | 21.5 per 100,000 live births | 0.0 per 100,000 live births | 40 per 100,000 live births |
| HIV/AIDS | Diseases | | | |
| Baseline Current Value | Baseline Current Value | | | |
| 1994 2000 | 1. 1994 2000 2. 1994 2000 3. 1994 2000 | | | |

Met or exceeded the Healthy Maryland 2000 target.

| Indicator | Healthy Maryland Baseline | Current Maryland Value | Healthy Maryland 2000 Target | Healthy People 2000 Target |
|--|------------------------------|------------------------|---------------------------------|----------------------------|
| Injury | | | | |
| 1. Reduce the rate of deaths due to suicide ¹¹ | 9.4 per 100,000 | 8.9 per 100,000 | <=8.9 per 100,000 | 10.5 per 100,000 |
| 2. Reduce the rate of homicide ¹¹ | 13.9 per 100,000 | 12.3 per 100,000 | <=7.2 per 100,000 | <=7.2 per 100,000 |
| 3. Maintaining a reduced level of alcohol-related fatal motor vehicle crashes | 3.8 per 100,000 | 4.7 per 100,000 | <=5.5 per 100,000 | <=5.5 per 100,000 |
| 4. Increase safety seat use among all Maryland children | 78% kids; 69% all | N/A* | >=85% for kids >=75% for all | ---- |
| Oral Health | | | | |
| Reduce dental caries among children ages 6 to 8 years ¹² | 54% (Rural) / 58% (Suburban) | N/R* | 35% | 35% |
| Tobacco | | | | |
| Increase the proportion of pregnant women who abstain from tobacco use ¹³ | 88.5% | 89.9% | 90% | 90% |
| Injury | Oral Health | Tobacco | | |
| Baseline Current Value | Baseline Current Value | Baseline Current Value | | |
| 1. 1994 1998 2. 1994 1998 3. 1993 2000 4. 1991 2000 | 1995 N/R | 1994 2000 | | |

*N/A = Not available; N/R = Not reported

Met or exceeded the Healthy Maryland 2000 target.

HEALTHY MARYLAND 2000 INDICATORS

Technical Notes

1. Estimates for the proportion of the population that was uninsured are for the non-elderly (i.e., 18 to 64 years of age). The baseline and current value are technically not truly comparable due to Current Population Survey (CPS) changes and the addition of new insurance-related questions. Based on the present CPS questions, the baseline rate would be higher.
2. Analysis of multiple cardiovascular disease risk factors from BRFSS data was not accessible for this report.
3. Maryland BRFSS respondents aged 18 and older who report no leisure-time physical activity in the past month.
4. Maryland BRFSS respondents aged 18 and older who report engaging in physical activity for 30 minutes or more, five or more times per week regardless of intensity.
5. The original Healthy Maryland 2000 objective for fruit and vegetable consumption was reported as the average daily intake (3.8 servings, 1989-1994). The Healthy People 2000 target for this objective was an average daily intake of 5.0 servings of vegetables, fruits, and grain products among people 2 years and older. This indicator, revised to be consistent with Healthy People 2010, measures the proportion of persons consuming five or more fruits and vegetables per day among Maryland BRFSS respondents aged 18 and older.
6. Age-adjusted to the 1970 U.S. standard population.
7. The 1992 rate of 10.5 per 1,000 diabetics was based on diagnostic capture of a lower extremity amputation in any of five diagnosis fields on the Hospital Services Cost Review Commission (HSCRC) Inpatient File. The HSCRC Inpatient file was expanded in 1993 to include 15 diagnosis fields. The 1999 rate of 8.2 per 1,000 diabetics was based on diagnostic capture of a lower extremity amputation in any of the 15 diagnosis fields of the data file. The estimated denominator for the prevalence of diabetes in Maryland for 1993 was not available at the time of this analysis, and therefore, a comparable 1993 baseline rate could not be computed.
8. The original Healthy Maryland baselines for whooping cough, mumps, measles, H. influenzae type b for children less than 5 years of age, and Hepatitis B (all ages) were changed to reflect revised data obtained from EDCP's Center for Immunization.
9. The original Healthy Maryland 2000 target for diagnosed AIDS cases was revised from 2,000 cases to 38 per 100,000 for comparability to the Healthy People 2000 target.
10. The original 1994 Healthy Maryland 2000 baselines for gonorrhea, syphilis, and congenital syphilis were changed to reflect revised data obtained from EDCP's Division of Sexually Transmitted Diseases.

HEALTHY MARYLAND 2000 INDICATORS

Technical Notes (continued)

11. The original Healthy Maryland 2000 baselines for suicide and homicide mortality were obtained from the DHMH Vital Statistics Administration and the DHMH Injury and Disability Prevention Program, respectively. The baselines and current values reported here were obtained from the CDC's WONDER Compressed Mortality file and age-adjusted to the 1940 standard U.S. population.
12. Analysis of 2000-2001 oral health data from the Oral Health Survey of Maryland school children were incomplete at the time of this report.
13. The original Healthy Maryland 2000 baseline for pregnant women abstaining from tobacco use was from the BRFSS. The data source for the Healthy Maryland 2000 baseline and current Maryland value reported here are from DHMH, Vital Statistics Administration.

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HEALTHY MARYLAND 2000 INDICATORS

SOURCES

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SECTION III

HEALTHY PEOPLE 2010

LEADING HEALTH INDICATORS

HEALTHY PEOPLE 2010 : LEADING HEALTH INDICATORS

The Healthy People 2010 initiative is a continuation of the Healthy People health promotion, disease prevention process. Healthy People 2010 includes 467 objectives within 28 unique focus areas. The Leading Health Indicators (LHIs) represent a subset of health measures among 10 of the 28 focus areas. Imbedded within the 10 LHIs are approximately 23 sub-objectives. This section summarizes the baseline, target, current U.S. value, and current Maryland value, where available, for each of the health status objectives designated as a LHI. Current Maryland values could not be reported for several sub-objectives due to data limitations. These included: access to ongoing care, environmental quality, mental health, physical activity and obesity in adolescents, and responsible sexual behavior.

Summarized below are the LHIs where Maryland met or surpassed the Healthy People 2010 target, or the most recent U.S. value.

Maryland meets or exceeds the Healthy People 2010 target

- Recommended vaccines (Children ages 19 to 35 months)
- Past month illicit drug use (Adolescents ages 12 to 17)

Maryland meets or exceeds the most recent U.S value

- Health Insurance
- Early Prenatal Care
- Recommended Vaccines (Children ages 19 to 35 months)
- Fatal Motor Vehicle Crashes
- Moderate Physical Activity (Adults)
- Cigarette Smoking (Adults)
- Cigarette Smoking (High school students, grades 9 to 12)
- Past Month Illicit Drug Use (Adolescents ages 12 to 17)
- Past Month Alcohol Use (Adolescents ages 12 to 17)
- Past Month Illicit Drug Use (Adults)

HEALTHY PEOPLE 2010: LEADING HEALTH INDICATORS

| Indicator | | Current MD Value | Current US Value | Healthy People 2010 Baseline | Healthy People 2010 Target |
|------------------------------|--|------------------|------------------|------------------------------|----------------------------|
| Access | | | | | |
| Obj 1-1 | Increase the proportion of persons with health insurance | 90.1% | 86% | 83% | 100% |
| Obj 1-4a | Increase the proportion of persons who have a specific source of ongoing care for all ages | N/A* | 86% | 87% | 96% |
| Obj 16-6a | Increase the proportion of pregnant women who receive early and adequate prenatal care beginning in the first trimester of pregnancy | 87% live births | 83% live births | 83% live births | 90% |
| Environmental Quality | | | | | |
| Obj 8-1a | Reduce the proportion of persons exposed to air that does not meet the US EPA's health-based standards for ozone | N/A* | 42% | 43% | 0% |
| Obj 27-10 | Reduce the proportion of nonsmokers exposed to environmental tobacco smoke | N/A* | 65% | 65% | 45% |
| Immunization | | | | | |
| Obj 14-24 | Increase the proportion of young children aged 19-35 months who received the recommended vaccines (4:3:3:1) | 80% | 78% | 73% | 80% |
| Obj 14-29a | Increase the proportion of adults who are vaccinated annually against influenza (ages 65+) | 62.6% | 67.4% | 63% | 90% |
| Obj 14-29b | Increase the proportion of adults who were ever vaccinated against pneumococcal disease (ages 65+) | 54.1% | 54.9% | 43% | 90% |

| Access | | | | Environmental Quality | | | | Immunization | | | |
|---------------|----------|----------|--|------------------------------|----------|----------|--|---------------------|----------|----------|--|
| MD Value | US Value | Baseline | | MD Value | US Value | Baseline | | MD Value | US Value | Baseline | |
| 1-4a. 1998 | 1999 | 1997 | | 8-1a. N/A | 2000 | 1997 | | 14-24. 2000 | 2000 | 1998 | |
| 1-4a. N/A | 1999 | 1997 | | 27-10. N/A | 1988-94 | 1988-94 | | 14-29a. 1999 | 1999 | 1997 | |
| 1-16a. 1999 | 1999 | 1998 | | | | | | 14-29b. 1999 | 1999 | 1997 | |

Obj = Objective from relevant Healthy People 2010 citation
 *N/A = Not available

Met or exceeded the Healthy People 2010 target.
Met or exceeded the most recent U.S. value.

| Indicator | | Current MD Value | Current US Value | Healthy People 2010 Baseline | Healthy People 2010 Target |
|----------------------------|---|------------------|------------------|------------------------------|----------------------------|
| Injury and Violence | | | | | |
| Obj 15-15a | Reduce deaths caused by motor vehicle crashes | 12.5 per 100,000 | 15.6 per 100,000 | 15.0 per 100,000* | 9.2 |
| Obj 15-32 | Reduce homicides | 11.0 per 100,000 | 6.6 per 100,000 | 6.2 per 100,000* | 3.0 |
| Mental Health | | | | | |
| Obj 18-9b | Increase the proportion of adults with mental disorders with recognized depressions receiving treatment | N/A** | 47% | 23% | 50% |

| Injury and Violence | | | | Mental Health | | | |
|----------------------------|----------|----------|--|----------------------|----------|----------|--|
| MD Value | US Value | Baseline | | MD Value | US Value | Baseline | |
| 15-15a. 1998 | 1998 | 1999 | | 18-9b. N/A | 2001 | 1997 | |
| 15-32. 1998 | 1998 | 1999 | | | | | |

Obj = Objective from relevant Healthy People 2010 citation

*Baseline mortality rates were changed to 1999 and used the ICD-10th revision, effective September 2002.

**N/A = Not available

Met or exceeded the most recent U.S. value.

HEALTHY PEOPLE 2010: LEADING HEALTH INDICATORS

| Indicator | | Current MD Value | Current US Value | Healthy People 2010 Baseline | Healthy People 2010 Target |
|-------------------------------|---|------------------|------------------|------------------------------|----------------------------|
| Physical Activity | | | | | |
| Obj 22-2 | Increase the proportion of adults who engage regularly, preferably daily, in moderate physical activity for at least 30 minutes per day | 28.3% | 26.2% | 32% | 50% |
| Obj 22-7 | Increase the proportion of adolescents who engage in vigorous physical activity that promotes cardiorespiratory fitness 3 or more days per week for 20 minutes or more per occasion | N/A* | 65% | 65% | 85% |
| Overweight and Obesity | | | | | |
| Obj 19-2 | Reduce the proportion of adults who are obese | 20.2% | 20.1% | 23% | 15% |
| Obj 19-3a | Reduce the proportion of children and adolescents aged 6 to 11 years who are overweight or obese | N/A* | 13% | 11% | 5% |
| Obj 19-3b | Reduce the proportion of children and adolescents aged 12 to 19 years who are overweight or obese | N/A* | 14% | 11% | 5% |

| Physical Activity | | | | Overweight and Obesity | | | |
|-------------------|----------|----------|------|------------------------|----------|----------|---------|
| MD Value | US Value | Baseline | | MD Value | US Value | Baseline | |
| 22-2. | 2000 | 2000 | 1997 | 19-2. | 2000 | 2000 | 1988-94 |
| 22-7. | N/A | 1999 | 1999 | 19-3a. | N/A | 1999 | 1988-94 |
| | | | | 19-3b. | N/A | 1999 | 1988-94 |

Obj = Objective from relevant Healthy People 2010 citation

*N/A = Not available

Met or exceeded the most recent U.S. value.

| Indicator | | Current MD Value | Current US Value | Healthy People 2010 Baseline | Healthy People 2010 Target |
|------------------------------------|--|------------------|------------------|------------------------------|----------------------------|
| Responsible Sexual Behavior | | | | | |
| Obj 25-11 | Increase the proportion of adolescents who abstain from sexual intercourse or use condoms if currently sexually active | N/A* | 85% | 85% | 95% |
| | Never had sexual intercourse | N/A* | 50% | 50% | ---- |
| | No intercourse in past 3 months | N/A* | 14% | 14% | ---- |
| | Used condom at last intercourse (sexually active) | N/A* | 21% | 21% | ---- |
| Obj 13-6 | Increase the proportion of females, age 18 to 44 years, who use condoms | N/A* | 23% | 23% | 50% |

| Responsible Sexual Behavior | | | |
|-----------------------------|----------|----------|------|
| MD Value | US Value | Baseline | |
| 25-11. | N/A | 1999 | 1999 |
| 13-6. | N/A | 1995 | 1995 |

Obj = Objective from relevant Healthy People 2010 citation

*N/A = Not available

| Indicator | | Current MD Value | Current US Value | Healthy People 2010 Baseline | Healthy People 2010 Target |
|------------------------|---|------------------|------------------|------------------------------|----------------------------|
| Tobacco Use | | | | | |
| Obj 27-1a | Reduce cigarette smoking by adults (BRFSS) | 20.5% | 23% | 24% | 12% |
| Obj 27-2b | Reduce past month cigarette use by adolescents | | | | |
| | High School Students (Grades 9 to 12); | 23.7% | 28.0% | 35% | 16% |
| Substance Abuse | | | | | |
| Obj 26-10a | Increase the proportion of adolescents not using alcohol or any illicit drugs during the past 30 days | N/A* | N/A* | 79% | |
| | No past month illicit drug use (Ages 12 to 17) | 90.8% | 90.1% | 81% | 89% |
| | No past month alcohol use (Ages 12 to 17) | 86.7% | 83.4% | 90% | 89% |
| 26-10c | Reduce the proportion of adults using any illicit drug during the past 30 days | 4.8% | 6.0% | 5.8% | 2% |
| 26-11c | Reduce the proportion of adults engaging in binge drinking of alcoholic beverages (NHSDA) | 16.4% | 21.4% | 16.6% | 6% |
| | Reduce the proportion of adults engaging in binge drinking of alcoholic beverages (BRFSS) | 15.9% | 14.9% | 16.6% | 6% |

| Tobacco Use | | | | Substance Abuse | | | |
|-------------|----------|----------|------|-----------------|----------|----------|------|
| MD Value | US Value | Baseline | | MD Value | US Value | Baseline | |
| 27-1a. | 2000 | 2000 | 1998 | 26-1a. | 1999 | 1999 | 1998 |
| 27-2b. | 2000 | 2000 | 1999 | 26-10c. | 1999 | 1999 | 1998 |
| | | | | 26-11c. | 1999 | 1999 | 1998 |

Obj = Objective from relevant Healthy People 2010 citation

*N/A = Not available

Met or exceeded the Healthy People 2010 target.

Met or exceeded the most recent U.S. value.

HEALTHY PEOPLE 2010 : LEADING HEALTH INDICATORS

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HEALTHY PEOPLE 2010: LEADING HEALTH INDICATORS

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Healthy People 2010 Indicators

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HEALTHY PEOPLE 2010

In response to Healthy People 2010 objective 23-12, Maryland engaged in a statewide needs assessment to identify priority areas of health and produced its first Health Improvement Plan (HIP). Section IV of this report presents trends, disparities, and jurisdictional data on a variety of health status indicators. The indicators were chosen based on the availability of state and/or jurisdictional data and because they were identified as a priority or focus area in Maryland's HIP.

Among the focus areas presented in this section, Maryland has met or exceeded the Healthy People 2010 target or is better than the most recent U.S. estimate for a number of indicators. These are summarized below.

State Outcomes Compared to the HP2010 Target

- Diabetes Deaths (MD Total, White Males, White Females; All jurisdictions, except Baltimore City)
- Coronary Heart Disease Deaths (White Females; Montgomery County)
- Stroke Deaths (Carroll, Queen Anne's, Somerset, and Worcester Counties)
- Measles (Children < 5 years)
- Motor Vehicle Crashes (White and African American Females)
- Homicide (White Females)
- Infant Mortality (Allegany County*)
- Suicide (White and African American* Females)
- Cigarette Smoking (High School Students, Grade 9 to 12)

State Outcomes Compared to US Estimate

- Health Insurance
- Teen Births (MD Total, Whites, 16 Counties)
- Cholesterol Not Checked Within 5 Years (MD Total, Males, and Females)
- Recommended Vaccines (Children ages 19 to 35 months)
- Consumption of ≥ 5 Fruits and Vegetables per Day (MD Total, Males, and Females)
- Physical Inactivity (MD Total, Males, and Females)
- Recommended Levels of Physical Activity (MD Total, Males, and Females)
- Current Smoking (MD Total)

* <20 deaths occurred over the 1996-2000 period.

HEALTHY PEOPLE 2010

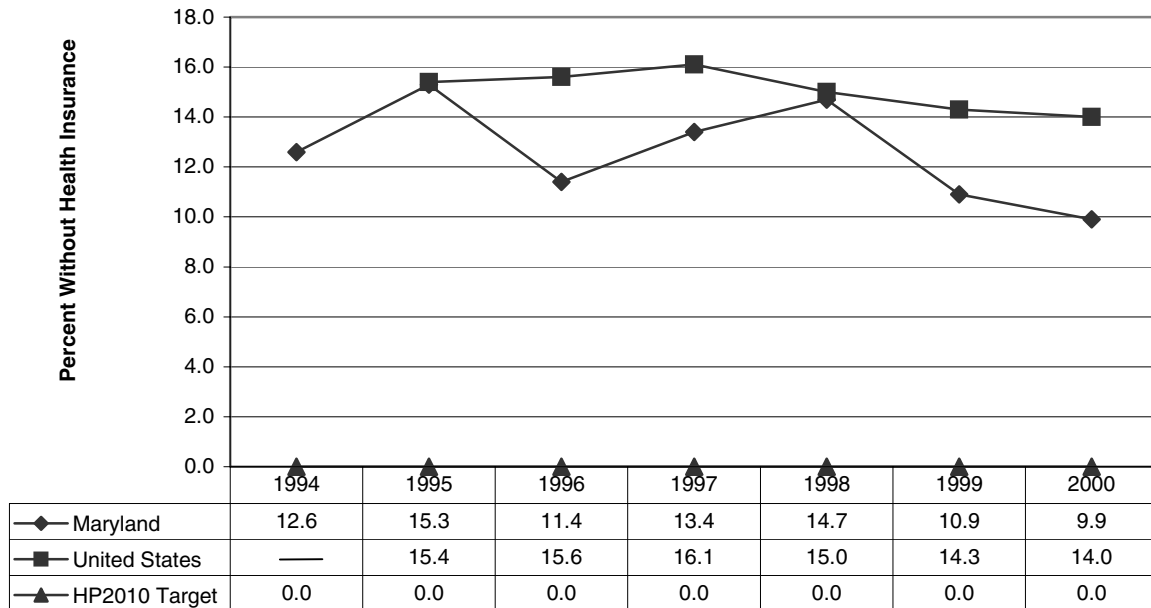
Notable Racial Disparities

| | |
|------------------------------|--|
| Prenatal Care | <ul style="list-style-type: none"> A consistently lower percentage of non-white and African American mothers received first trimester prenatal care than white mothers. |
| Cancer | <ul style="list-style-type: none"> African American men are most affected by cancer at all sites compared to other race-gender groups. More deaths result from breast cancer in African American women than in White women. Lung cancer caused more deaths in African American men than other race-gender groups. |
| Diabetes | <ul style="list-style-type: none"> African American women were 2.5 times more like to die from diabetes in 1998 than White women. The proportion of African Americans who were ever told they had diabetes in 2000 was nearly two times the percent for Whites. |
| Teen Births | <ul style="list-style-type: none"> The 1999 birth rate among African American females (ages 15 to 19) was 2.5 times higher than it was for Whites. |
| CHD Deaths | <ul style="list-style-type: none"> A consistently higher coronary heart disease mortality rate was observed among African American men than other race-gender groups. |
| High Blood Pressure | <ul style="list-style-type: none"> Health care providers more often diagnosed African Americans with high blood pressure than other races. |
| Stroke | <ul style="list-style-type: none"> More African Americans were at a higher risk of dying from stroke than Whites. 1999 age-adjusted hospitalization rates showed that African Americans accounted for the most hospitalizations compared to other races. |
| Motor Vehicle Crashes | <ul style="list-style-type: none"> African American men averaged the highest mortality rates from motor vehicle crashes compared to other race-gender groups. |
| Homicide | <ul style="list-style-type: none"> African American men and women were the most affected by homicide compared to White men and women. |
| Low Birth Weight | <ul style="list-style-type: none"> Low birth weight in 2000 was twice as high for African American infants than White infants. |
| Suicide | <ul style="list-style-type: none"> White males had the highest suicide mortality rate compared to other race-gender groups. |
| Nutrition | <ul style="list-style-type: none"> In 2000, African Americans consumed less fruits and vegetables per day than other races. |
| Obesity | <ul style="list-style-type: none"> In 2000, obesity among African Americans was nearly two times the percent for Whites. |

ACCESS TO HEALTH CARE

NO HEALTH INSURANCE

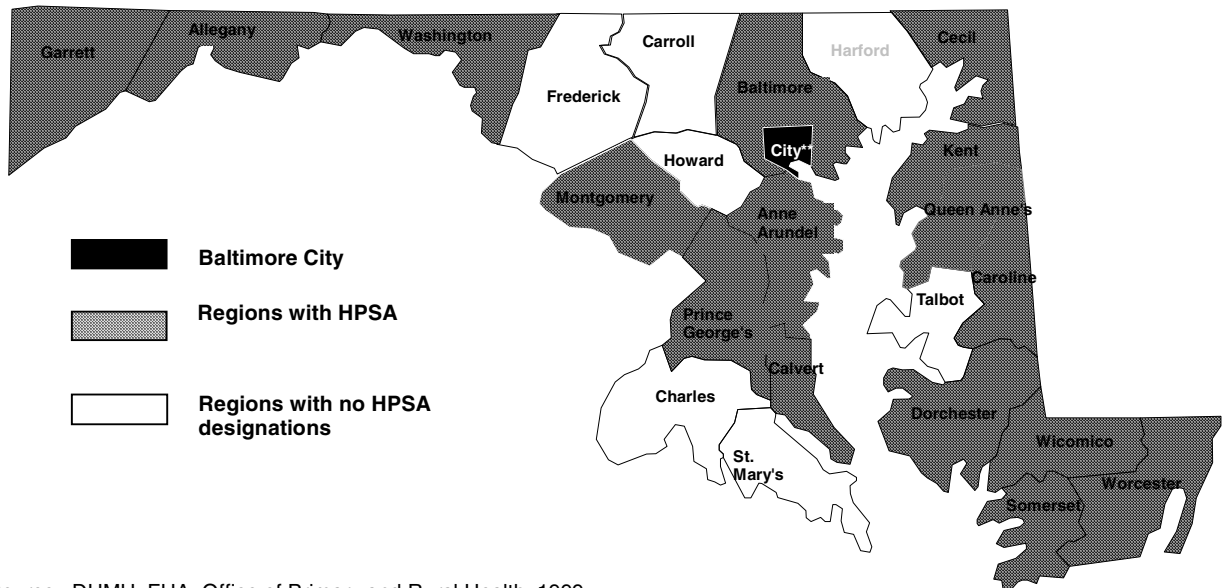
Percent of the Population Without Health Insurance*,
Maryland and the US, 1994-2000



*Source: US Department of Commerce, Economics and Statistics Administration, US Census Bureau, Current Population Reports

SHORTAGE OF PRIMARY CARE

Federal Primary Care Health Professional Shortage Areas (HPSAs)*
by Maryland Jurisdiction, 1999



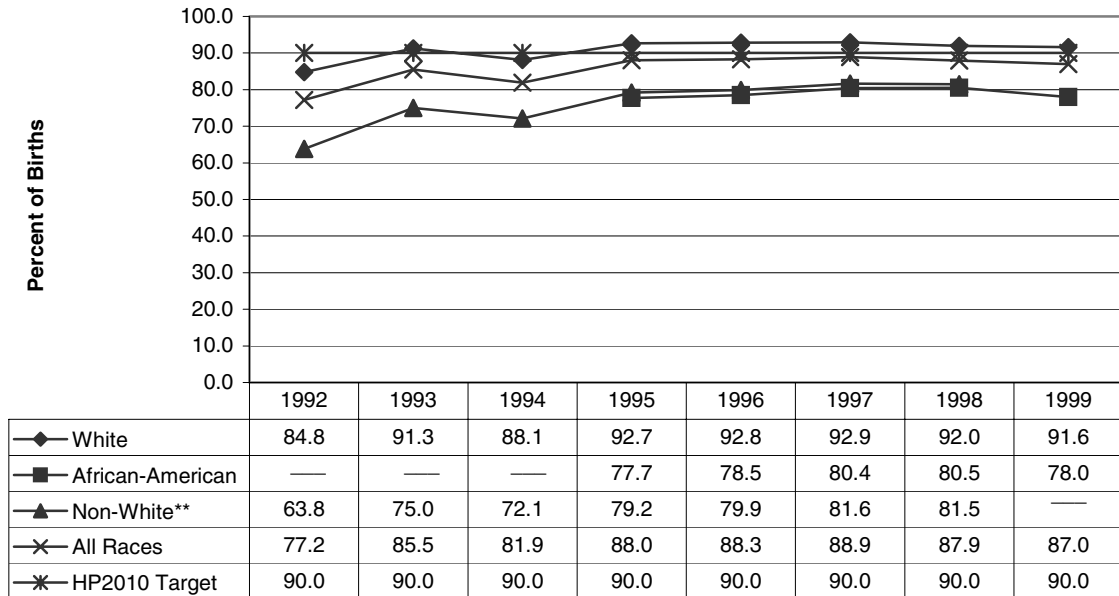
*Source: DHMH, FHA, Office of Primary and Rural Health, 1999

**Baltimore City has 9 HPSAs; all other areas have one designation.

ACCESS TO HEALTH CARE

PRENATAL CARE

Percent of Births* to Women Who Received First Trimester Prenatal Care by Race, Maryland, 1992-1999

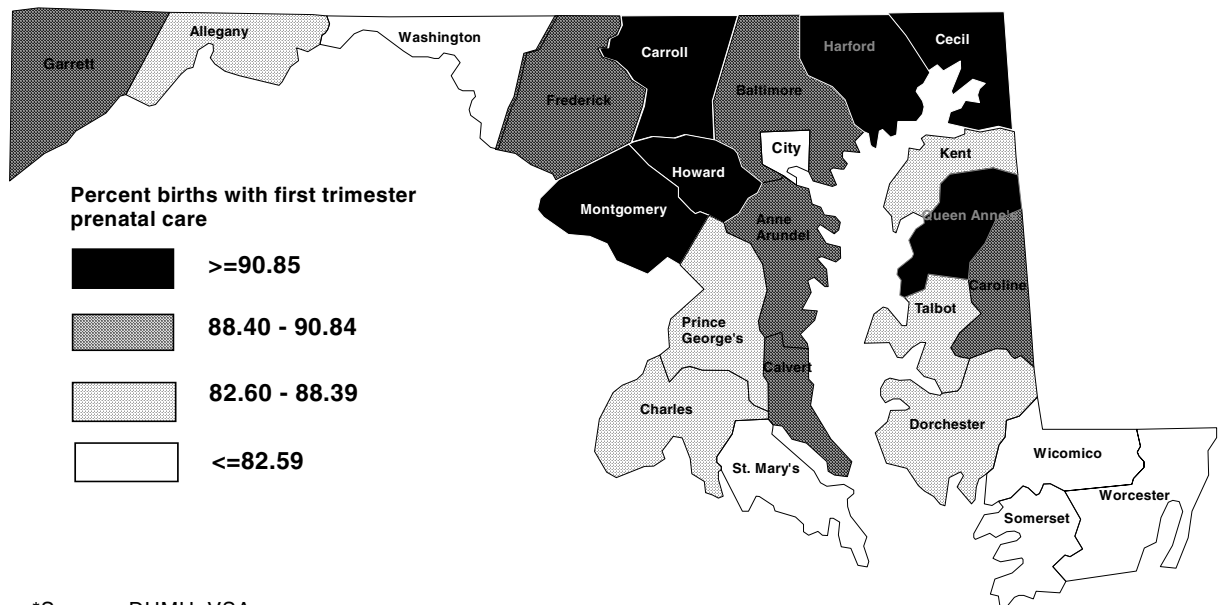


*Source: DHMH, VSA

**Includes African American

PRENATAL CARE

Percent of Births* to Women Who Received First Trimester Prenatal Care, by Maryland Jurisdiction, 1999



*Source: DHMH, VSA

ACCESS TO HEALTH CARE

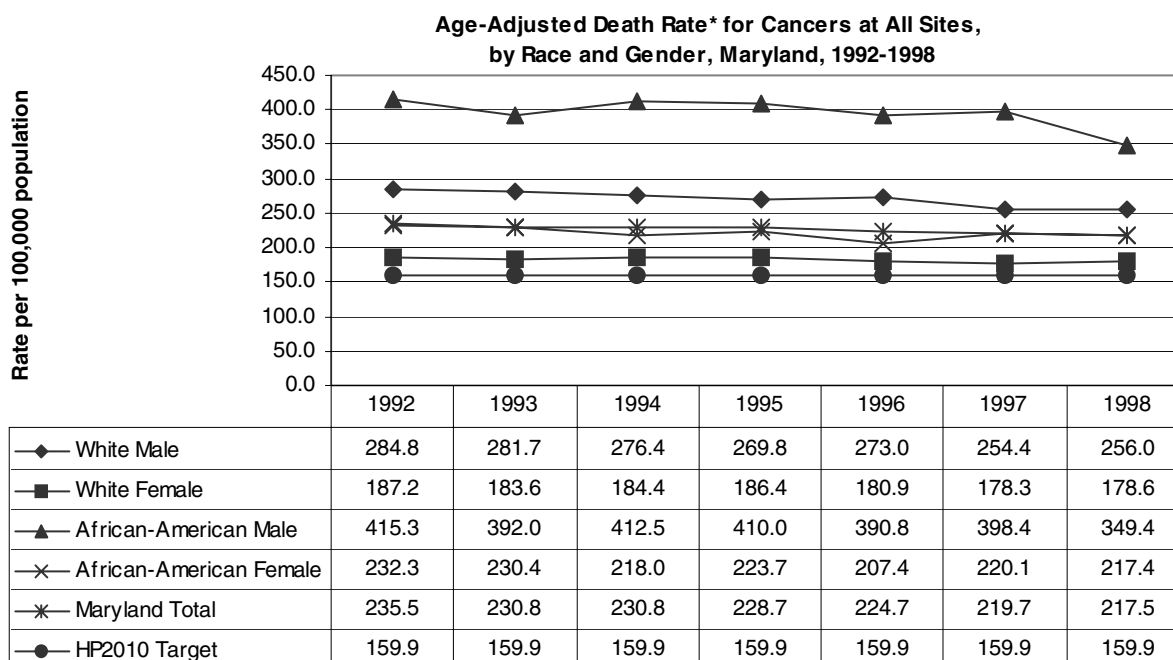
MCHP ENROLLMENT

| Number of Children Enrolled in the Maryland Children's Health Insurance Program (MCHIP)*, by Maryland Jurisdiction, December 2001 and 2001 | | |
|--|-----------------|--------|
| | Number Enrolled | |
| | Dec-00 | Dec-01 |
| Maryland | 78,364 | 94,792 |
| Allegany County | 2,483 | 2,487 |
| Anne Arundel County | 4,264 | 5,678 |
| Baltimore County | 9,351 | 12,347 |
| Calvert County | 1,000 | 1,141 |
| Caroline County | 1,122 | 1,297 |
| Carroll County | 1,825 | 1,712 |
| Cecil County | 1,824 | 2,133 |
| Charles County | 1,770 | 1,983 |
| Dorchester County | 854 | 1,183 |
| Frederick County | 2,300 | 2,579 |
| Garrett County | 1,481 | 1,551 |
| Harford County | 2,757 | 3,182 |
| Howard County | 2,225 | 2,646 |
| Kent County | 606 | 671 |
| Montgomery County | 11,612 | 13,693 |
| Prince George's County | 10,649 | 14,545 |
| Queen Anne's County | 720 | 940 |
| St. Mary's County | 542 | 933 |
| Somerset County | 1,595 | 637 |
| Talbot County | 650 | 704 |
| Washington County | 2,168 | 2,621 |
| Wicomico County | 1,862 | 2,004 |
| Worcester County | 1,282 | 1,419 |
| Baltimore City | 13,424 | 15,680 |

*Source: DHMH, BSA, OOE, MCHIP

CANCER

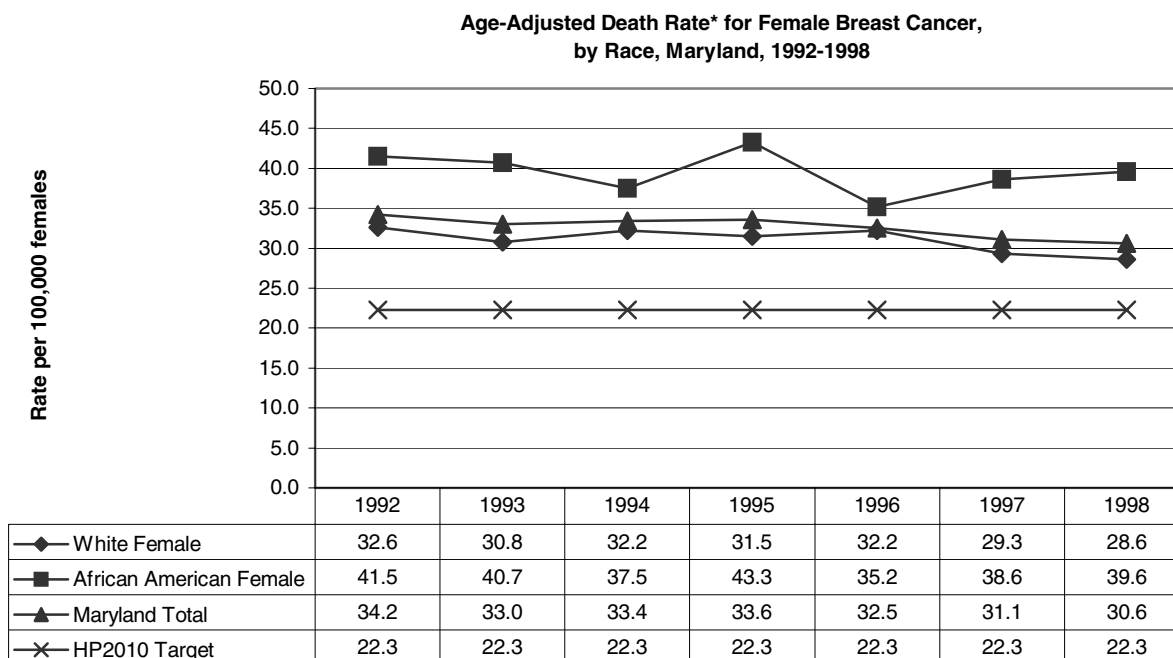
CANCER DEATHS



*Source: DHMH, FHA, MCR

Death rates are age-adjusted to the 2000 standard US population.

BREAST CANCER DEATHS

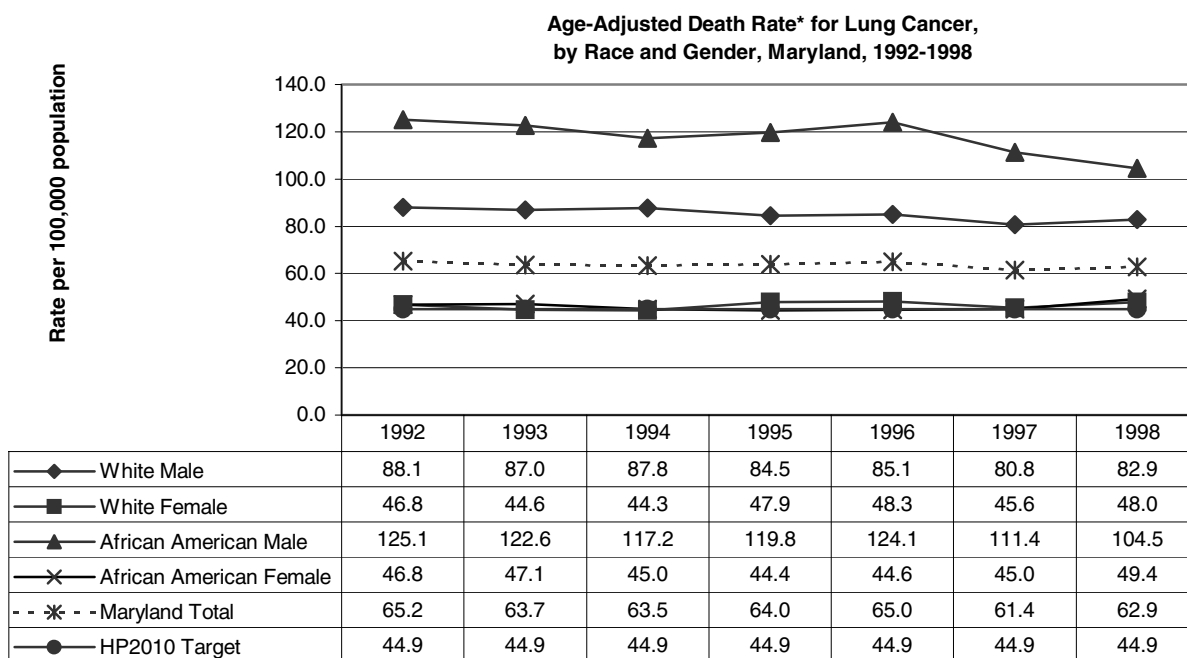


*Source: DHMH, FHA, MCR

Death rates are age-adjusted to the 2000 standard US population.

CANCER

LUNG CANCER DEATHS



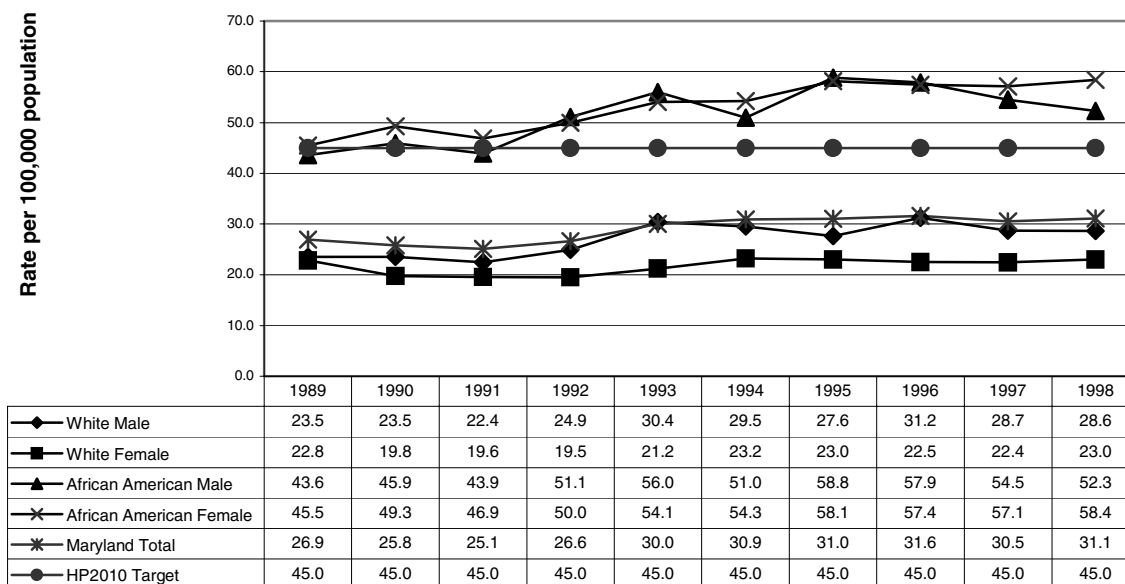
*Source: DHMH, FHA, MCR

Death rates are age-adjusted to the 2000 standard US population.

DIABETES

DIABETES DEATHS

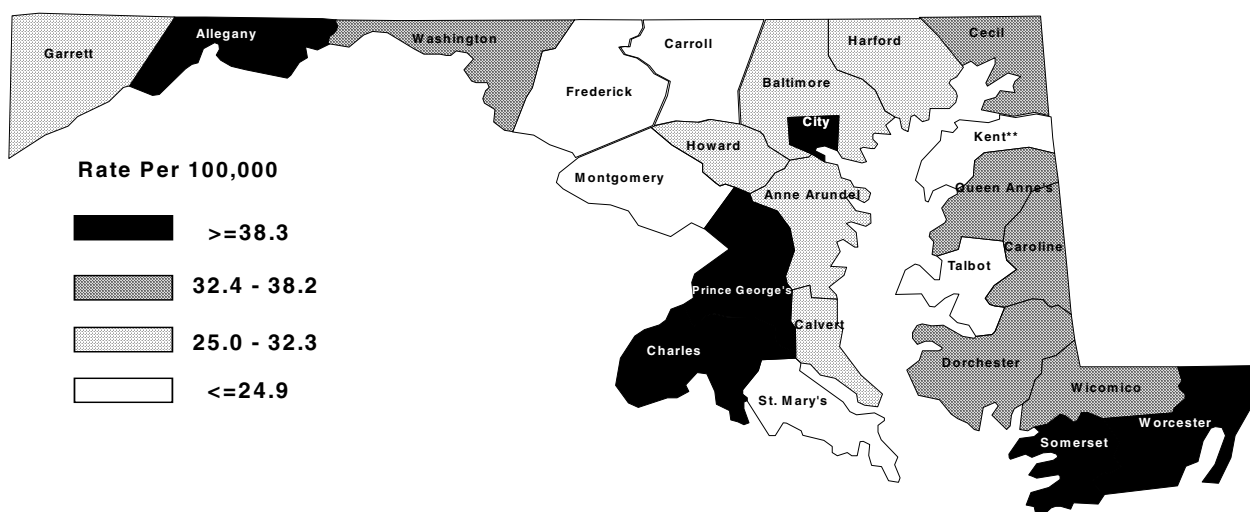
Age-Adjusted Death Rate* for Diabetes,
by Race and Gender, Maryland, 1989 - 1998



*Source: CDC Wonder Compressed Mortality File (Internet: 03/04/02);
Death rates are age-adjusted to the 2000 standard U.S. population.

DIABETES DEATHS

Age-Adjusted Death Rate* for Diabetes by Maryland Jurisdiction, 1996-1998



*Source: CDC Wonder Compressed Mortality File (Internet: 03/04/02)
Death rates are age-adjusted to the 2000 standard population.

**Death rates based on counts <20 are flagged as unreliable.

DIABETES

DIABETES DEATHS

| Age-Adjusted Death Rate* for Diabetes, by Maryland Jurisdiction, 1996 - 1998 | |
|---|-----------------------------|
| | Rate per 100,000 population |
| Maryland | 31.1 |
| Allegany County | 38.8 |
| Anne Arundel County | 31.8 |
| Baltimore County | 26.6 |
| Calvert County | 30.6 |
| Caroline County | 32.8 |
| Carroll County | 19.5 |
| Cecil County | 36.2 |
| Charles County | 40.6 |
| Dorchester County | 35.8 |
| Frederick County | 23.4 |
| Garrett County | 26.3 |
| Harford County | 29.0 |
| Howard County | 26.6 |
| Kent County** | 17.7 |
| Montgomery County | 18.0 |
| Prince George's County | 40.9 |
| Queen Anne's County | 35.4 |
| St. Mary's County | 22.9 |
| Somerset County | 43.3 |
| Talbot County | 19.0 |
| Washington County | 36.1 |
| Wicomico County | 37.8 |
| Worcester County | 39.8 |
| Baltimore City | 47.6 |

*Source: CDC Wonder Compressed Mortality File (Internet: 03/04/02)

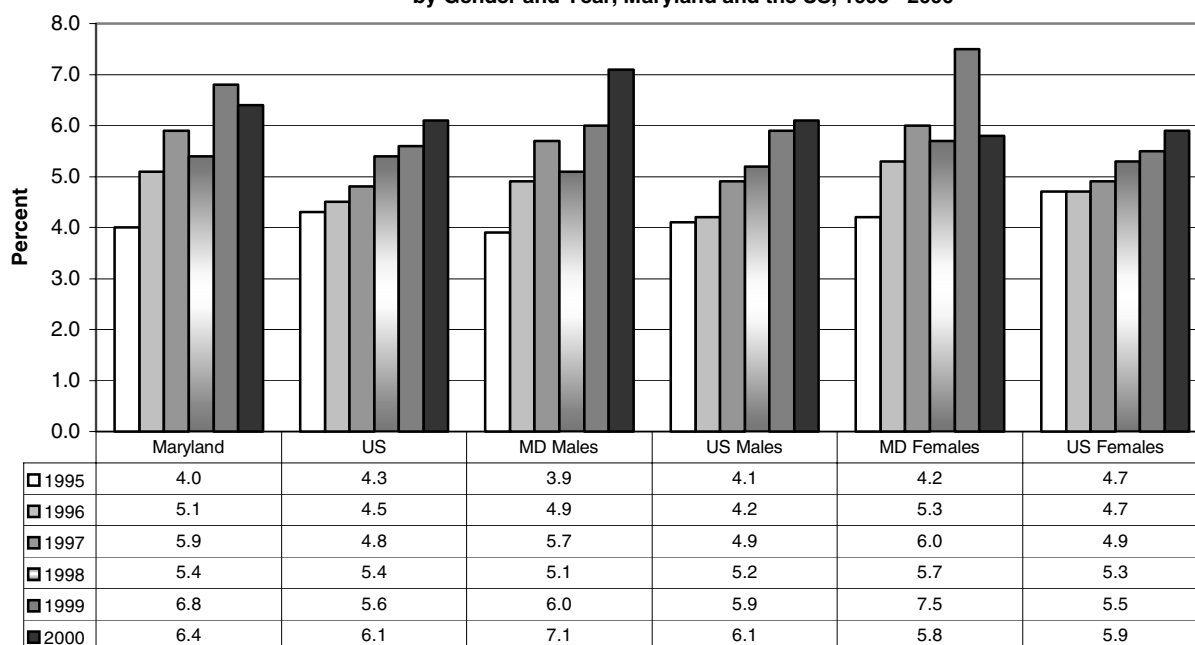
Death rates are age-adjusted to the 2000 standard population.

**Death rates based on counts <20 are flagged as unreliable.

DIABETES

DIABETES AWARENESS

Percent of Adults¹ Diagnosed with Diabetes*,
by Gender and Year, Maryland and the US, 1995 - 2000

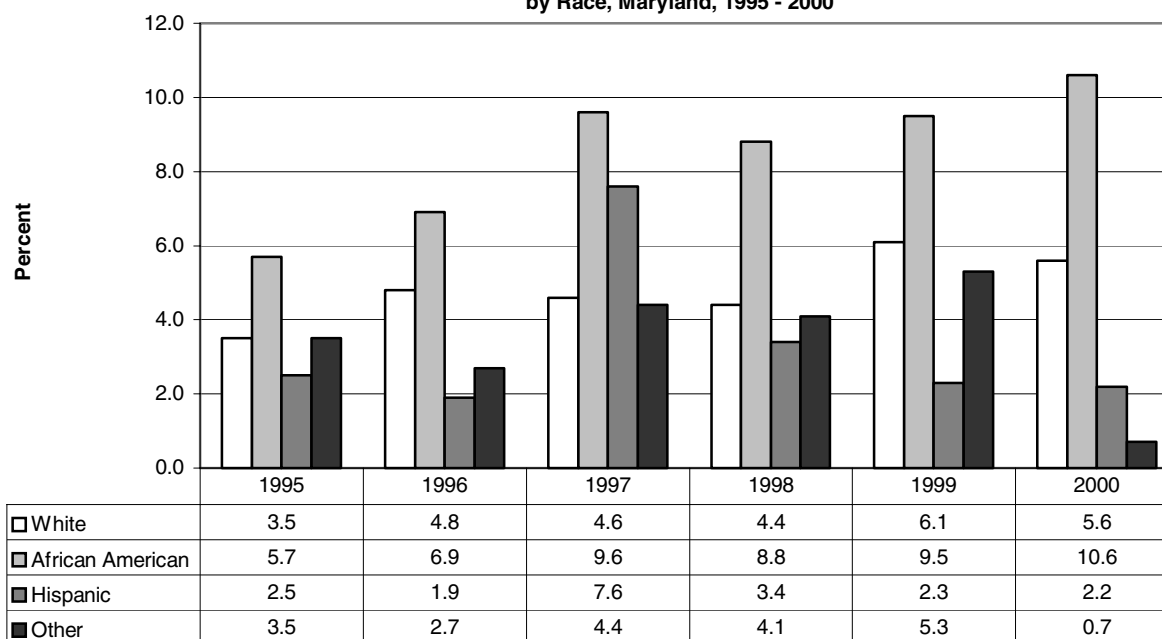


*Source: CDC BRFSS Interactive Database (Internet: 01/30/02).

¹Respondents aged 18 and older who were ever told by a doctor that they have diabetes.

DIABETES AWARENESS

Percent of Adults¹ Diagnosed with Diabetes*,
by Race, Maryland, 1995 - 2000



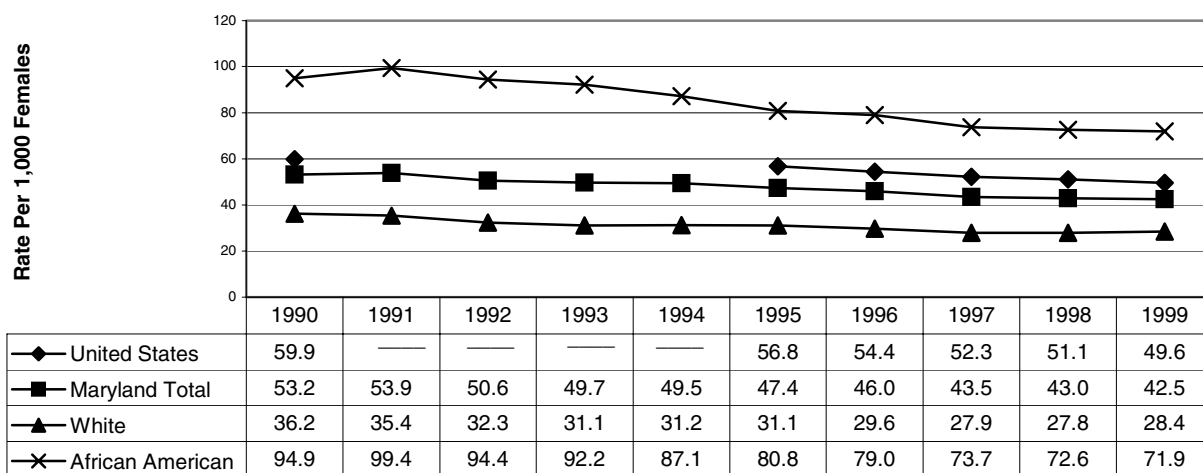
*Source: CDC BRFSS Interactive Database (Internet: 03/05/02).

¹Respondents aged 18 and older who were ever told by a doctor that they have diabetes.

FAMILY PLANNING

TEEN BIRTHS

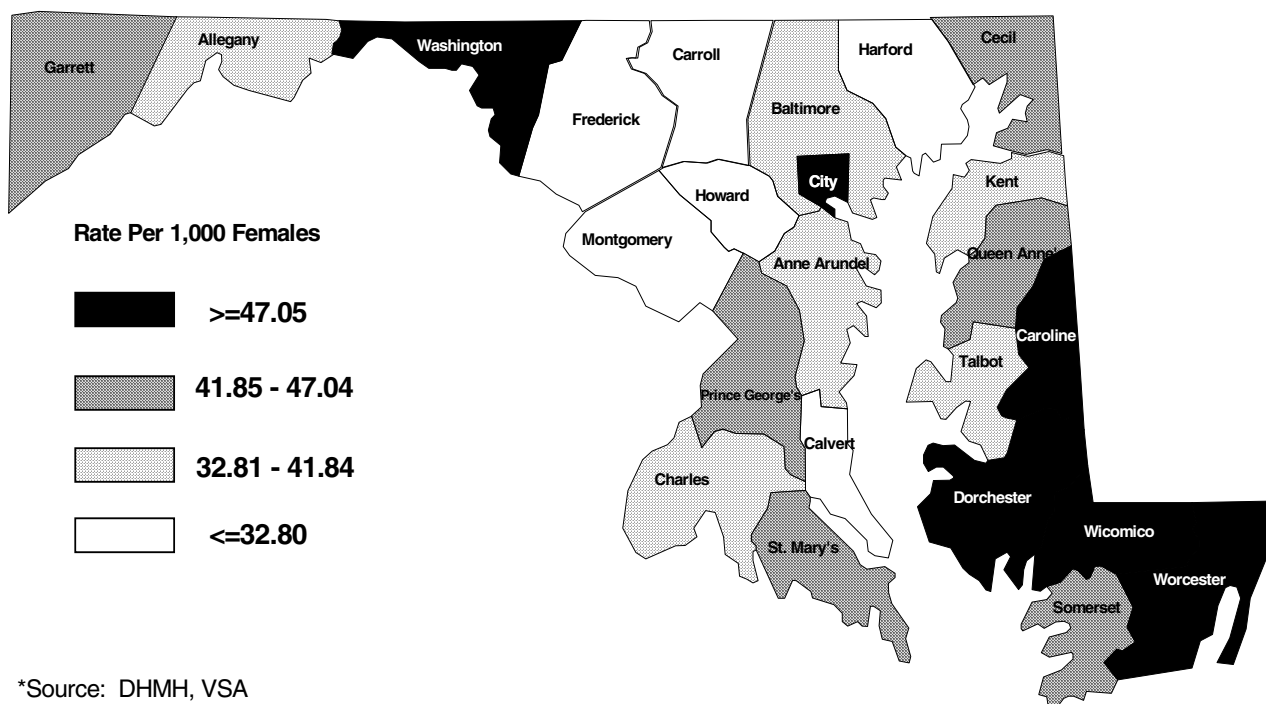
Birth Rates* By Race of Mother for Females, Ages 15 to 19,
Maryland and the US, 1990-1999



*Source: Health United States, 2001; DHMH, VSA

TEEN BIRTHS

Birth Rates* for Females Ages 15 to 19, All Races, by Maryland Jurisdiction, 1999



*Source: DHMH, VSA

FAMILY PLANNING

TEEN BIRTHS

| Birth Rates* by Race of Mother for Females¹, Ages 15 to 19, by Maryland Jurisdiction, 1999 | | | |
|--|------------------------|--------------------------|-------------------------------------|
| | All Females Rate | White Females Rate | African American Females Rate |
| Maryland | 42.5 | 28.4 | 71.9 |
| Allegany County | 41.4 | 39.8 | 66.7 |
| Anne Arundel County | 33.6 | 28.9 | 56.3 |
| Baltimore County | 35.2 | 24.2 | 78.7 |
| Calvert County | 32.0 | 30.9 | 35.6 |
| Caroline County | 61.5 | 56.1 | 70.8 |
| Carroll County | 22.4 | 22.0 | 26.0 |
| Cecil County | 45.5 | 47.8 | 26.3 |
| Charles County | 35.5 | 26.0 | 58.7 |
| Dorchester County | 48.6 | 37.6 | 59.0 |
| Frederick County | 25.8 | 23.5 | 50.5 |
| Garrett County | 45.3 | 45.6 | 0.0 |
| Harford County | 30.2 | 26.7 | 53.9 |
| Howard County | 13.5 | 9.0 | 32.9 |
| Kent County | 41.7 | 25.0 | 101.7 |
| Montgomery County | 22.4 | 20.3 | 35.4 |
| Prince George's County | 43.1 | 28.3 | 51.0 |
| Queen Anne's County | 42.1 | 35.9 | 74.9 |
| St. Mary's County | 42.2 | 36.0 | 70.9 |
| Somerset County | 42.0 | 68.8 | 32.0 |
| Talbot County | 38.8 | 33.9 | 43.1 |
| Washington County | 58.0 | 55.5 | 128.0 |
| Wicomico County | 53.0 | 26.0 | 116.0 |
| Worcester County | 64.5 | 42.6 | 100.2 |
| Baltimore City | 95.6 | 46.1 | 112.9 |

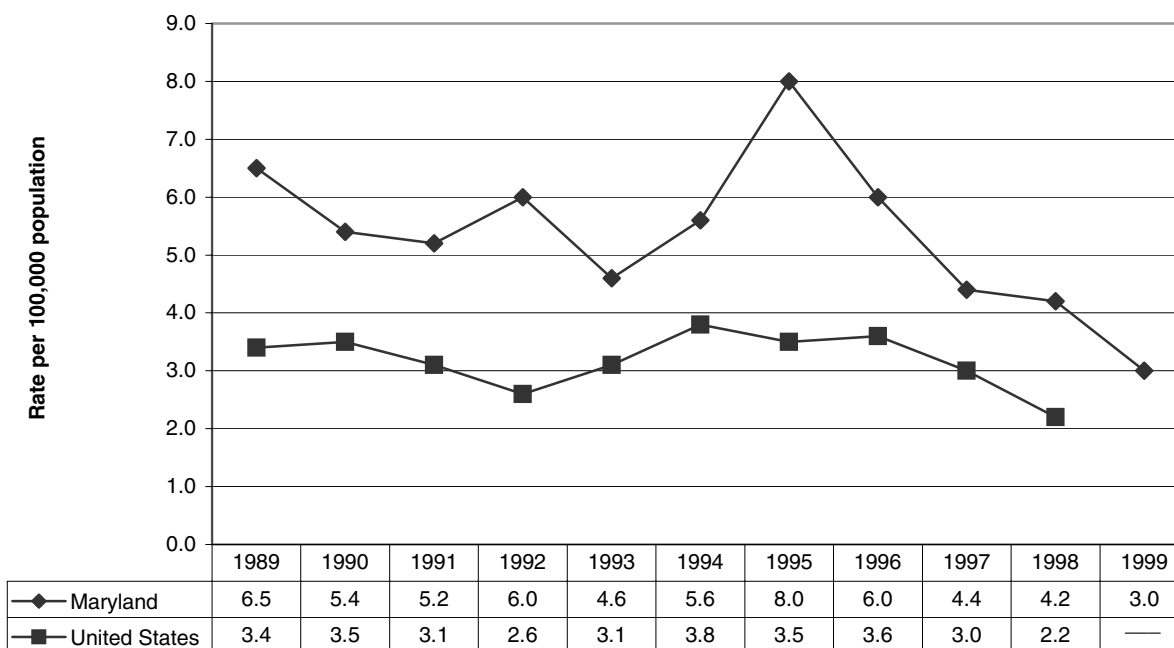
*Source: DHMH, VSA

¹Per 1,000 females.

FOOD SAFETY

Salmonella Enteritidis

Salmonella Enteritidis Incidence Rates*,
Maryland and the US, 1989-1999

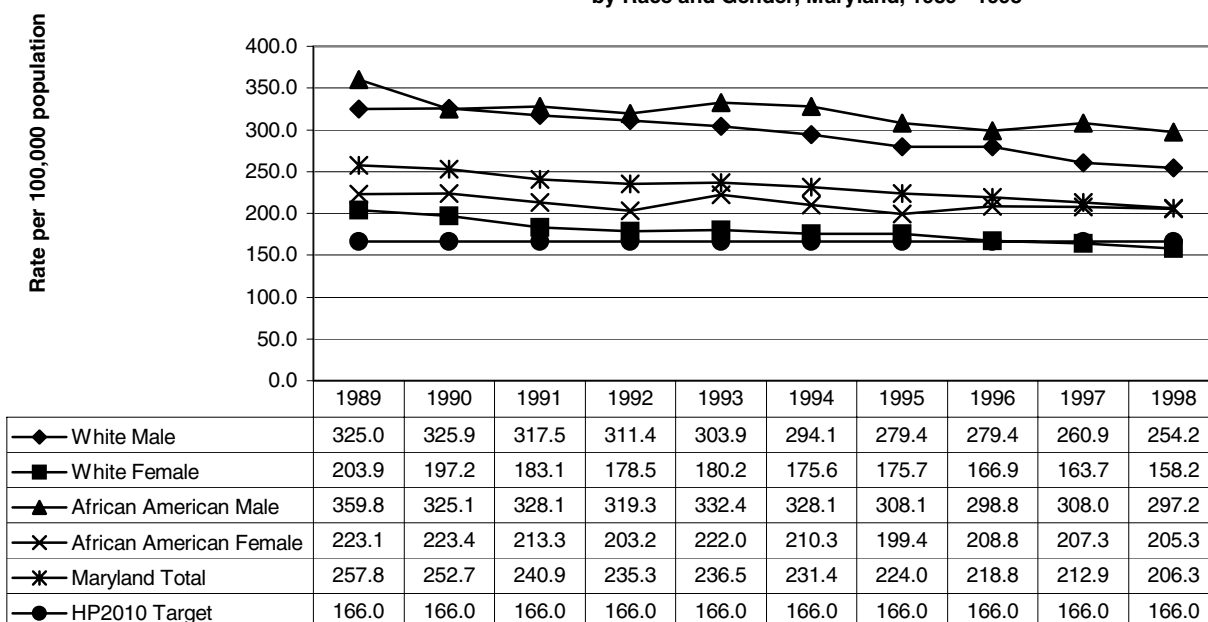


*Source: DHMH, CHA, EDCP, Division of Communicable Disease Surveillance,
Outbreak Investigation

HEART DISEASE AND STROKE

CHD DEATHS

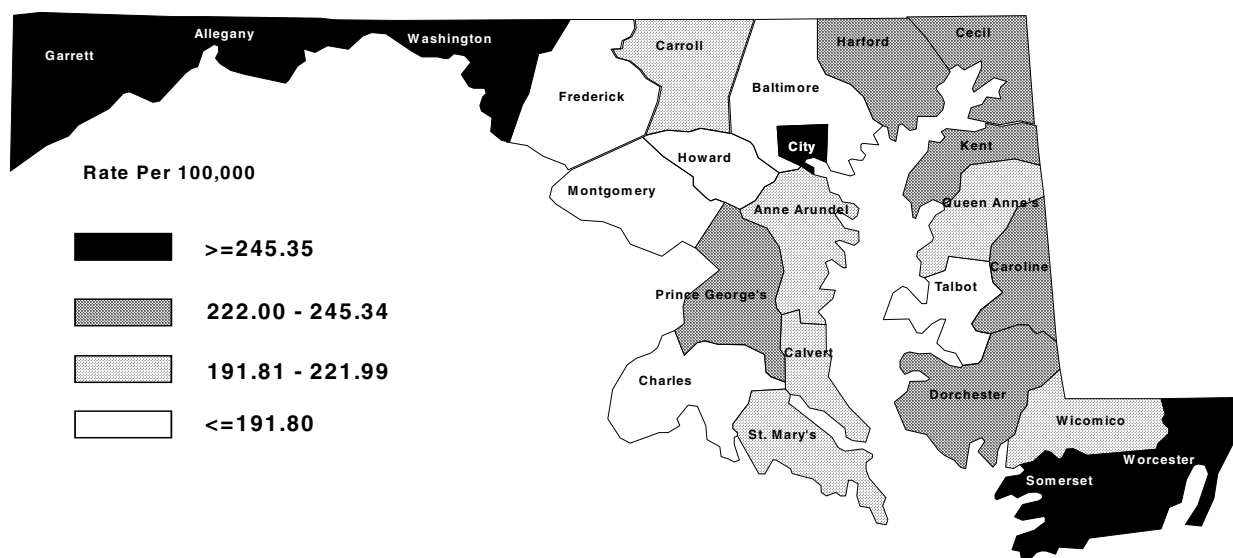
Age-Adjusted Death Rate* for Coronary Heart Disease (CHD),
by Race and Gender, Maryland, 1989 - 1998



*Source: CDC Wonder Compressed Mortality File (Internet: 09/05/01);
Death rates are age-adjusted to the 2000 standard U.S. population.

CHD DEATHS

Age-Adjusted Death Rate* for Coronary Heart Disease (CHD),
by Maryland Jurisdiction, 1998



*Source: CDC Wonder Compressed Mortality File (Internet: 09/05/01);
Death rates are age-adjusted to the 2000 standard U.S. population.

HEART DISEASE AND STROKE

CHD DEATHS

| Age-Adjusted Death Rate* for Coronary Heart Disease (CHD), by Maryland Jurisdiction, 1998 | |
|--|-----------------------------|
| | Rate per 100,000 population |
| Maryland | 206.3 |
| Allegany County | 284.2 |
| Anne Arundel County | 193.9 |
| Baltimore County | 189.7 |
| Calvert County | 195.3 |
| Caroline County | 235.0 |
| Carroll County | 201.9 |
| Cecil County | 235.5 |
| Charles County | 184.9 |
| Dorchester County | 243.5 |
| Frederick County | 187.1 |
| Garrett County | 251.4 |
| Harford County | 238.1 |
| Howard County | 167.6 |
| Kent County | 230.0 |
| Montgomery County | 128.9 |
| Prince George's County | 234.3 |
| Queen Anne's County | 214.0 |
| St. Mary's County | 211.3 |
| Somerset County | 277.3 |
| Talbot County | 176.7 |
| Washington County | 247.7 |
| Wicomico County | 211.4 |
| Worcester County | 247.2 |
| Baltimore City | 282.5 |

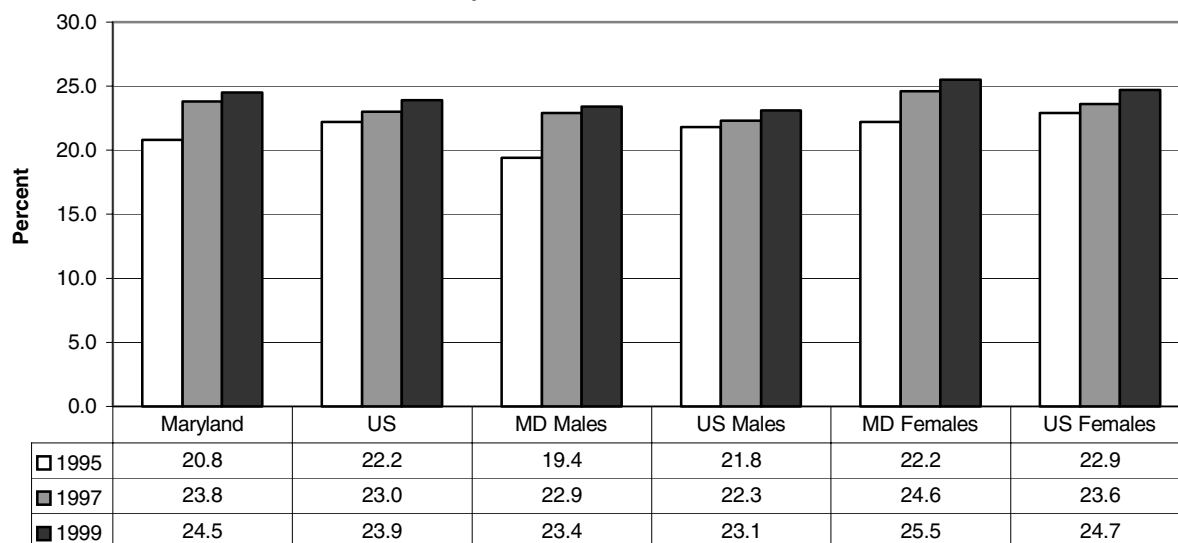
*Source: CDC Wonder Compressed Mortality File (Internet: 08/30/01)

Death rates are age-adjusted to the 2000 standard population.

HEART DISEASE AND STROKE

HYPERTENSION AWARENESS

Hypertension Awareness* Among Maryland and US Adults¹
by Gender and Year, 1995, 1997, 1999

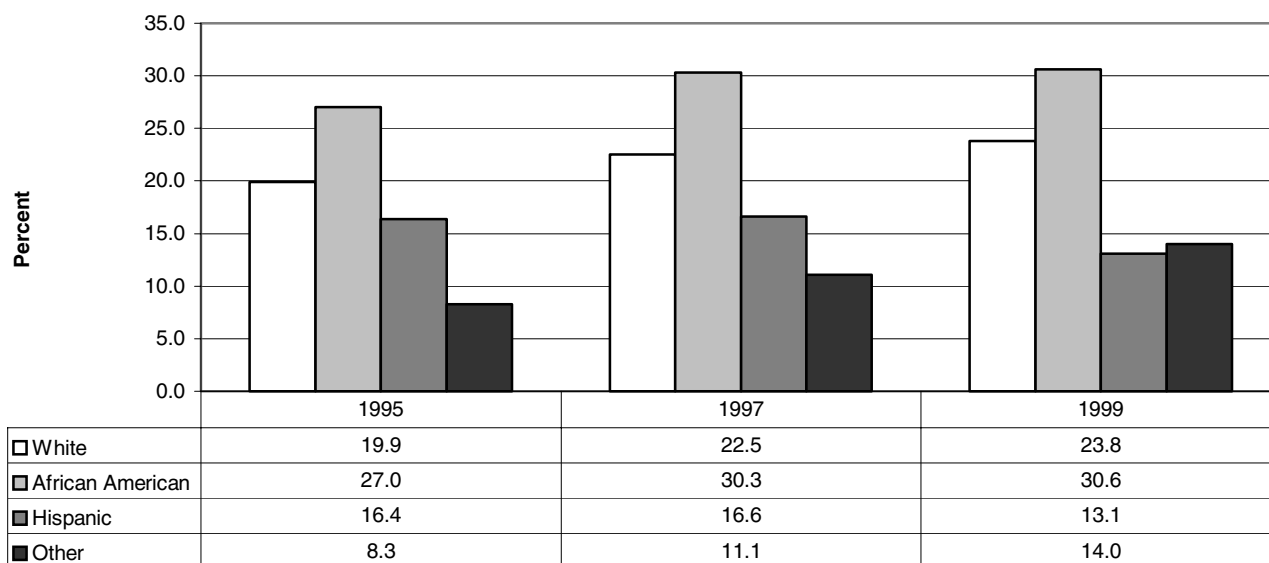


*Source: CDC BRFSS Interactive Database (Internet: 03/12/02).

¹Respondents aged 18 and older who were ever told by a doctor, nurse, or other health professional that they have high blood pressure.

HYPERTENSION AWARENESS

Hypertension Awareness* Among Maryland Adults¹,
by Race and Year, 1995, 1997, 1999



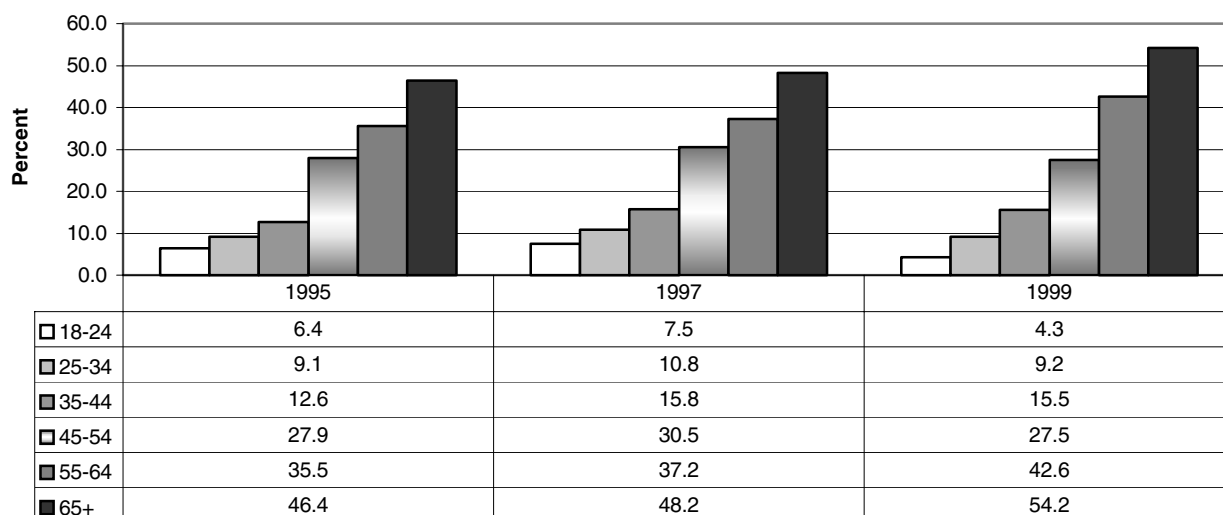
*Source: CDC BRFSS Interactive Database (Internet: 03/12/02).

¹Respondents aged 18 and older who were ever told by a doctor, nurse, or other health professional that they have high blood pressure.

HEART DISEASE AND STROKE

HYPERTENSION AWARENESS

Hypertension Awareness* Among Maryland Adults¹,
by Age and Year, 1995, 1997, 1999



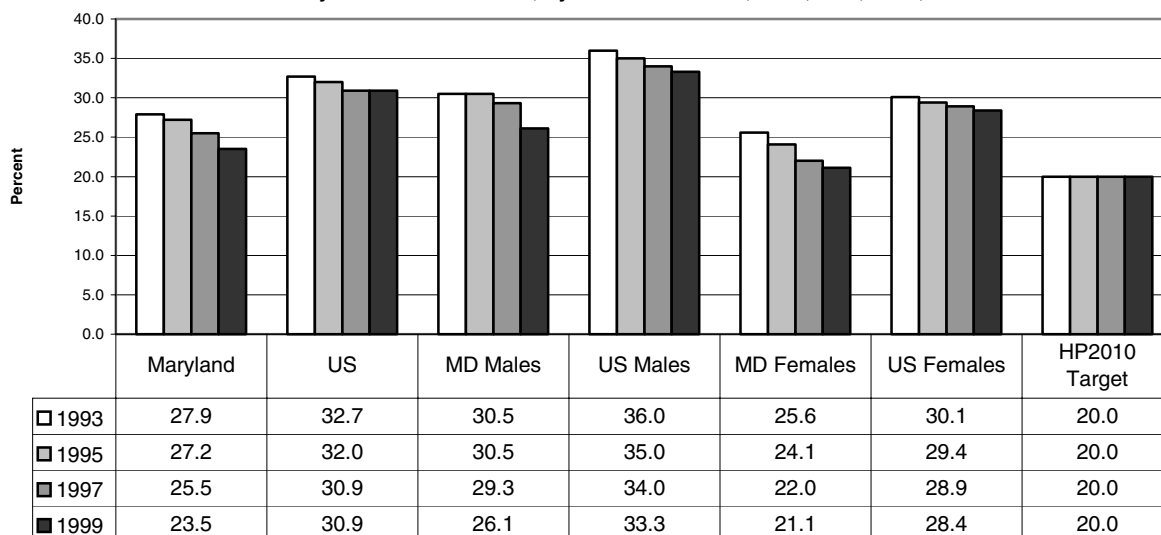
*Source: CDC BRFSS Interactive Database (Internet: 03/12/02).

¹Respondents aged 18 and older who were ever told by a doctor, nurse, or other health professional that they have high blood pressure.

HEART DISEASE AND STROKE

CHOLESTEROL SCREENING

Cholesterol Not Checked Within 5 Years* Among Maryland and US Adults¹, by Gender and Year, 1993, 1995, 1997, 1999

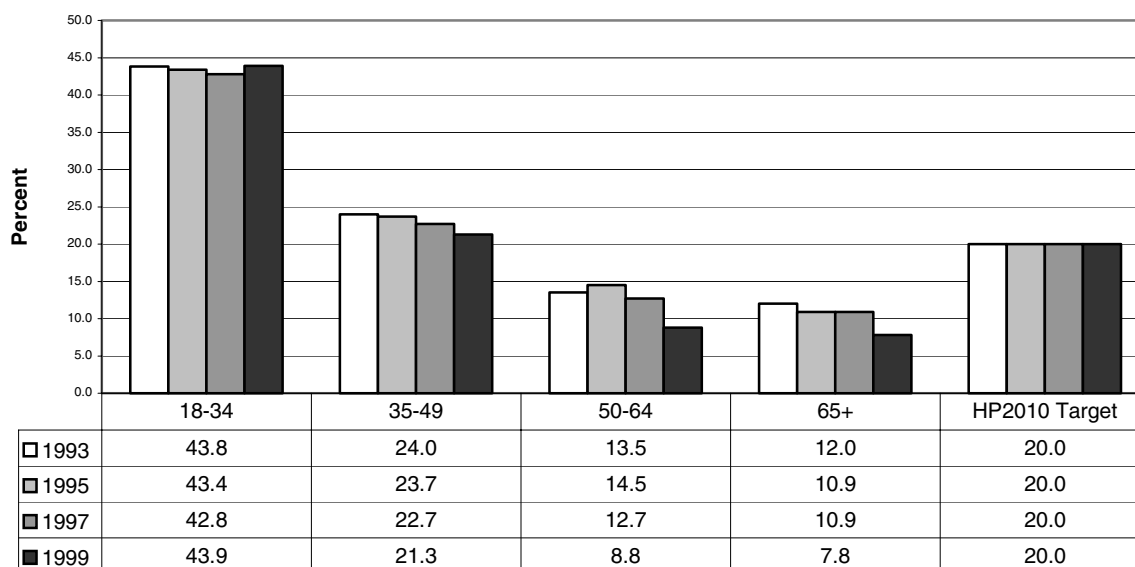


*Source: CDC BRFSS Interactive Database (Internet: 03/12/02).

¹Respondents aged 18 and older who report they did not have their cholesterol checked within 5 years.

CHOLESTEROL SCREENING

Cholesterol Not Checked Within 5 Years* Among Maryland Adults¹, by Age and Year, 1993, 1995, 1997, 1999



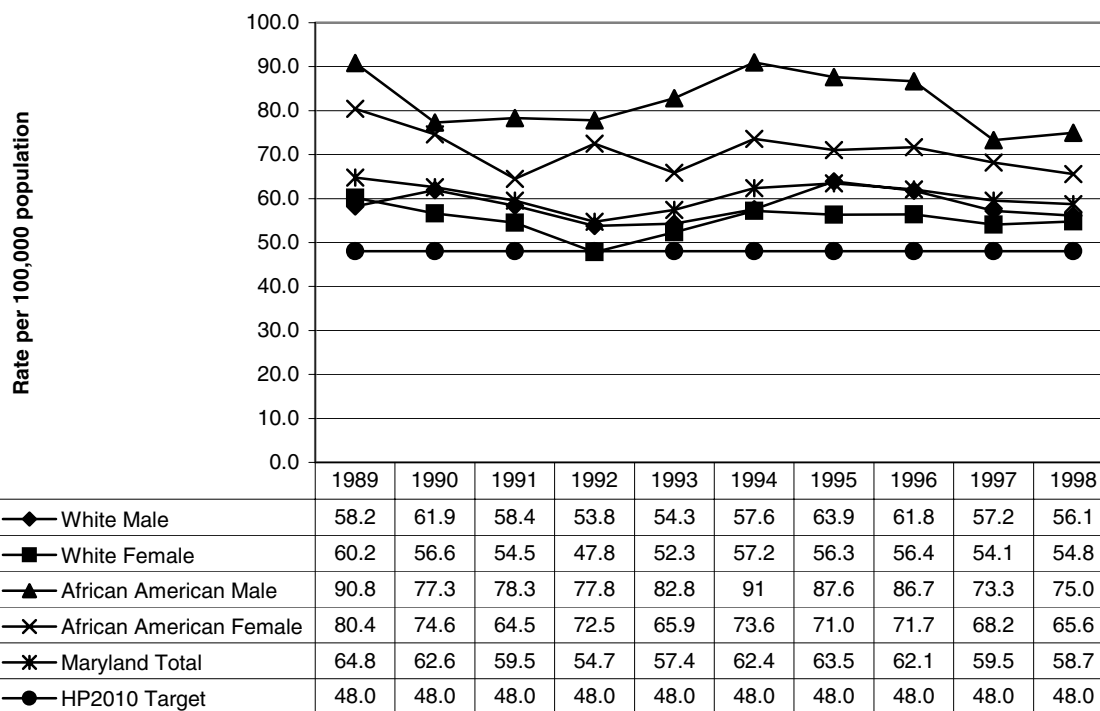
*Source: CDC BRFSS Interactive Database (Internet: 03/12/02).

¹Respondents aged 18 and older who report they did not have their cholesterol checked within 5 years.

HEART DISEASE AND STROKE

STROKE DEATHS

Age-Adjusted Death Rate* for Stroke,
by Race and Gender, Maryland, 1989 - 1998



*Source: CDC Wonder Compressed Mortality File (Internet: 03/11/02);
Death rates are age-adjusted to the 2000 standard U.S. population.

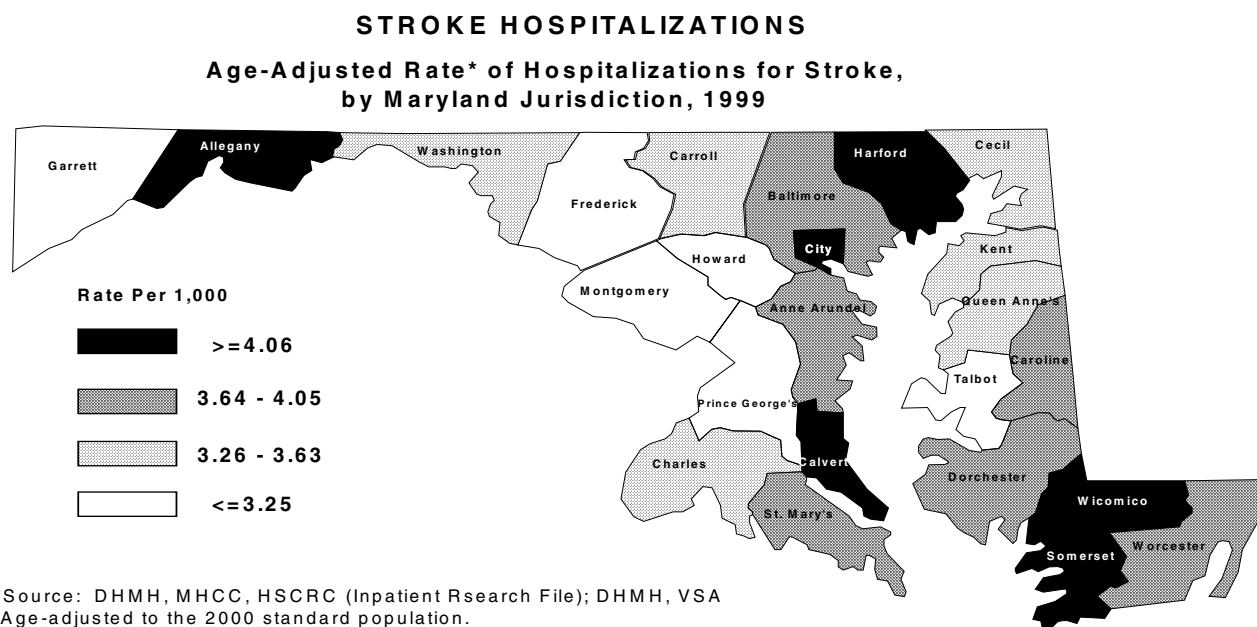
HEART DISEASE AND STROKE

STROKE DEATHS

| Age-Adjusted Death Rate* for Stroke, by Maryland Jurisdiction, 1996 - 1998 | |
|---|-----------------------------|
| | Rate per 100,000 population |
| Maryland | 60.0 |
| Allegany County | 70.7 |
| Anne Arundel County | 62.8 |
| Baltimore County | 57.6 |
| Calvert County | 63.8 |
| Caroline County | 66.9 |
| Carroll County | 47.6 |
| Cecil County | 52.8 |
| Charles County | 50.4 |
| Dorchester County | 48.8 |
| Frederick County | 70.0 |
| Garrett County | 62.9 |
| Harford County | 56.6 |
| Howard County | 60.6 |
| Kent County | 53.1 |
| Montgomery County | 52.7 |
| Prince George's County | 61.5 |
| Queen Anne's County | 47.1 |
| St. Mary's County | 63.5 |
| Somerset County | 32.1 |
| Talbot County | 58.4 |
| Washington County | 59.2 |
| Wicomico County | 59.0 |
| Worcester County | 47.8 |
| Baltimore City | 75.7 |

*Source: CDC Wonder Compressed Mortality File (Internet: 03/11/02);
Death rates are age-adjusted to the 2000 standard population.

HEART DISEASE AND STROKE



STROKE HOSPITALIZATIONS

| Age-Adjusted Rate* of Hospitalizations for Stroke, by Gender and Race, Maryland, 1999 | | |
|--|--------|--------|
| | Number | Rate** |
| Male | 7417 | 3.72 |
| Female | 9558 | 3.43 |
| White | 12114 | 3.25 |
| African American | 4424 | 4.64 |
| Other | 401 | 2.99 |
| White Male | 5508 | 3.58 |
| White Female | 6606 | 3.02 |
| African American Male | 1711 | 4.15 |
| African American Female | 2712 | 4.89 |

*Source: DHMH, MHCC, HSCRC (Inpatient Research File); DHMH, VSA
 Age-adjusted to the 2000 standard US population.

**Rate per 1,000 population.

HEART DISEASE AND STROKE

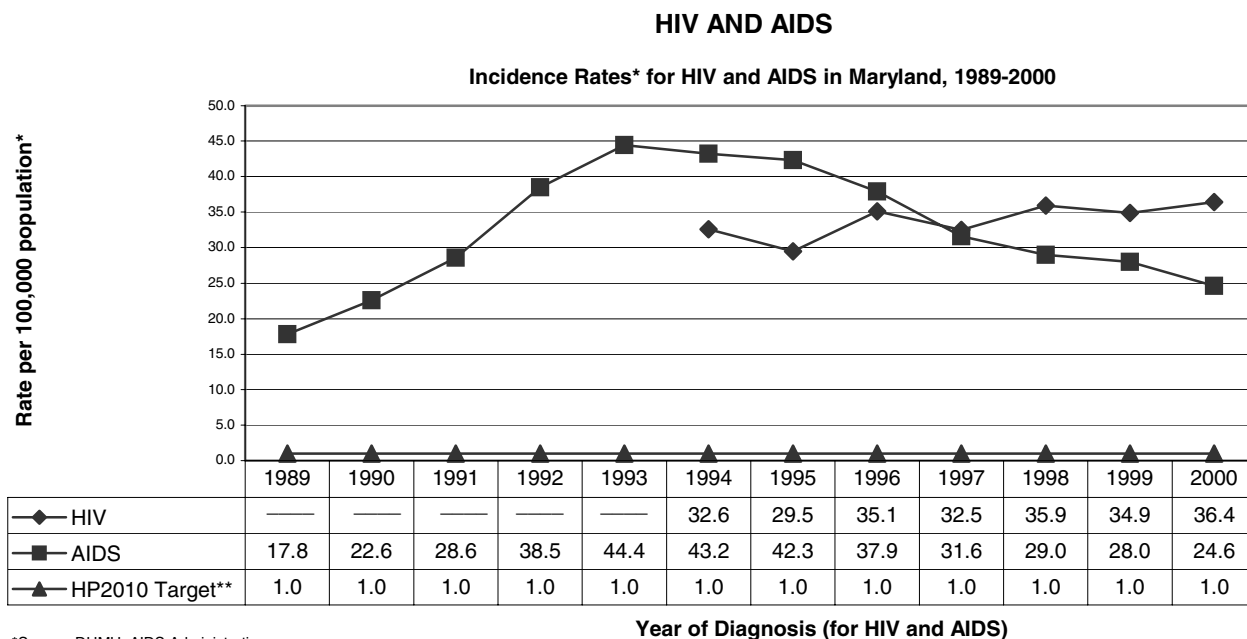
STROKE HOSPITALIZATIONS

| Age-Adjusted Rate* of Hospitalizations for Stroke, by Maryland Jurisdiction, 1999 | | |
|--|--------|--------|
| | Number | Rate** |
| Maryland | 16,976 | 3.57 |
| Allegany County | 460 | 4.55 |
| Anne Arundel County | 1,573 | 3.96 |
| Baltimore County | 3,179 | 3.71 |
| Calvert County | 248 | 4.50 |
| Caroline County | 118 | 3.67 |
| Carroll County | 474 | 3.49 |
| Cecil County | 256 | 3.55 |
| Charles County | 277 | 3.52 |
| Dorchester County | 148 | 3.81 |
| Frederick County | 408 | 2.74 |
| Garrett County | 103 | 3.00 |
| Harford County | 853 | 4.86 |
| Howard County | 401 | 2.69 |
| Kent County | 91 | 3.40 |
| Montgomery County | 1,648 | 2.07 |
| Prince George's County | 1,706 | 3.21 |
| Queen Anne's County | 149 | 3.61 |
| St. Mary's County | 257 | 3.99 |
| Somerset County | 138 | 5.32 |
| Talbot County | 155 | 3.02 |
| Washington County | 472 | 3.28 |
| Wicomico County | 334 | 4.13 |
| Worcester County | 222 | 3.64 |
| Baltimore City | 3,306 | 5.20 |

*Source: DHMH, MHCC, HSCRC (Inpatient Research File); DHMH, VSA
Age-adjusted to the 2000 standard US population.

**Rate per 1,000 population.

HIV AND AIDS

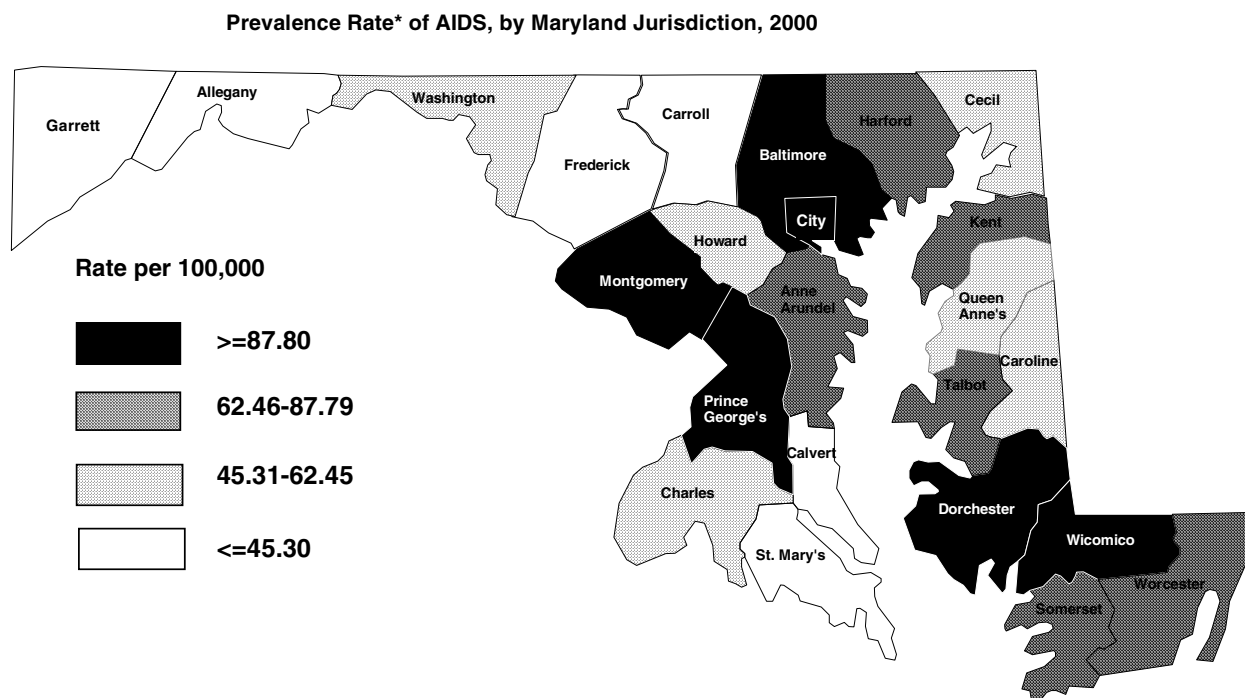


*Source: DHMH, AIDS Administration
HIV and AIDS are mutually exclusive groups; data reported through 12/31/01; HIV case reporting began in 1994.

**Based on the 2000 Maryland Census population.

**Target is for AIDS only.

AIDS



*Source: DHMH, AIDS Administration
Based on the 2000 Maryland Census population.

HIV AND AIDS

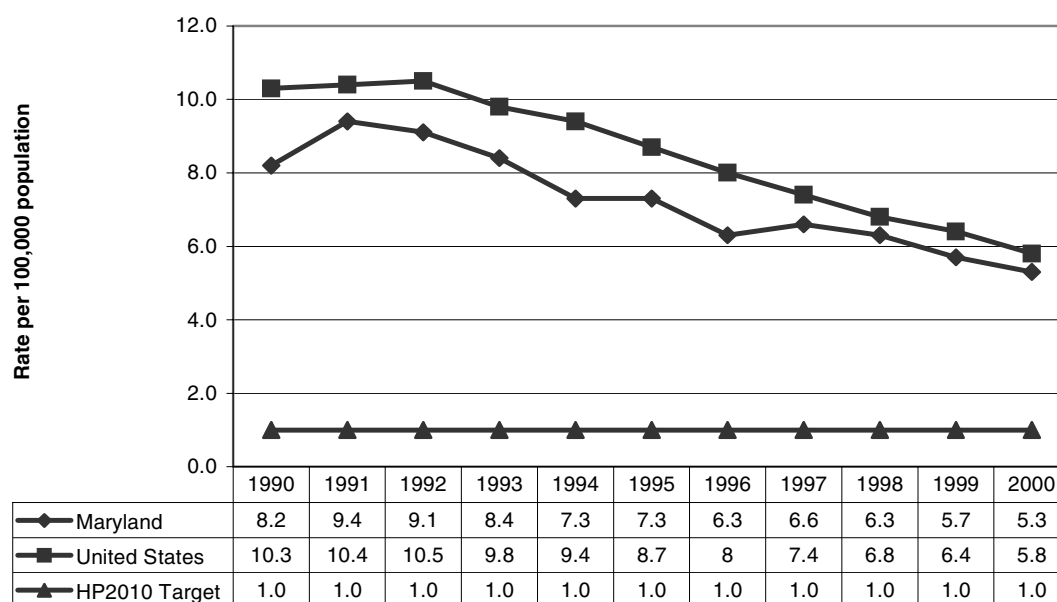
HIV AND AIDS

| Incidence (New Cases) and Prevalence* (Existing Cases) of HIV and AIDS, by Maryland Jurisdiction, 2000 | | | | | |
|---|--------------|--------------|---------------|---------------|---------------|
| | Incidence | | Prevalence | | Total |
| | HIV | AIDS | HIV | AIDS | |
| Maryland | 1,929 | 1,303 | 12,547 | 10,682 | 23,229 |
| Allegany County | 1 | 2 | 24 | 21 | 45 |
| Anne Arundel County | 43 | 47 | 281 | 326 | 607 |
| Baltimore County | 984 | 626 | 6,583 | 689 | 12,008 |
| Calvert County | 160 | 90 | 760 | 32 | 1,449 |
| Caroline County | 10 | 5 | 34 | 17 | 66 |
| Carroll County | 4 | 2 | 22 | 31 | 39 |
| Cecil County | 11 | 2 | 85 | 41 | 116 |
| Charles County | 3 | 5 | 30 | 75 | 71 |
| Dorchester County | 22 | 10 | 86 | 46 | 161 |
| Frederick County | 3 | 7 | 46 | 79 | 92 |
| Garrett County | 23 | 11 | 88 | 3 | 167 |
| Harford County | 0 | 0 | 4 | 137 | 7 |
| Howard County | 15 | 20 | 111 | 119 | 248 |
| Kent County | 14 | 10 | 100 | 13 | 219 |
| Montgomery County | 4 | 1 | 13 | 898 | 26 |
| Prince George's County | 130 | 101 | 695 | 1,707 | 1,593 |
| Queen Anne's County | 256 | 215 | 1,501 | 20 | 3,208 |
| St. Mary's County | 3 | 0 | 12 | 33 | 32 |
| Somerset County | 6 | 3 | 33 | 16 | 49 |
| Talbot County | 0 | 1 | 24 | 29 | 57 |
| Washington County | 6 | 3 | 19 | 79 | 48 |
| Wicomico County | 39 | 13 | 105 | 76 | 184 |
| Worcester County | 11 | 9 | 112 | 30 | 188 |
| Baltimore City | 2 | 4 | 37 | 5,425 | 67 |
| Correctional Facilities | 179 | 116 | 1,742 | 740 | 2,482 |
| *Incidence during 1/1/00-12/31/00 and Prevalence on 12/31/00 as reported through 12/31/01. HIV and AIDS are mutually exclusive groups. | | | | | |
| Data from Fourth Quarter 2001 MD HIV/AIDS Epidemiological Profile, A Publication from the DHMH, MD AIDS Administration. (Data reported through Dec 31, 2001) | | | | | |

IMMUNIZATION AND INFECTIOUS DISEASE

TUBERCULOSIS

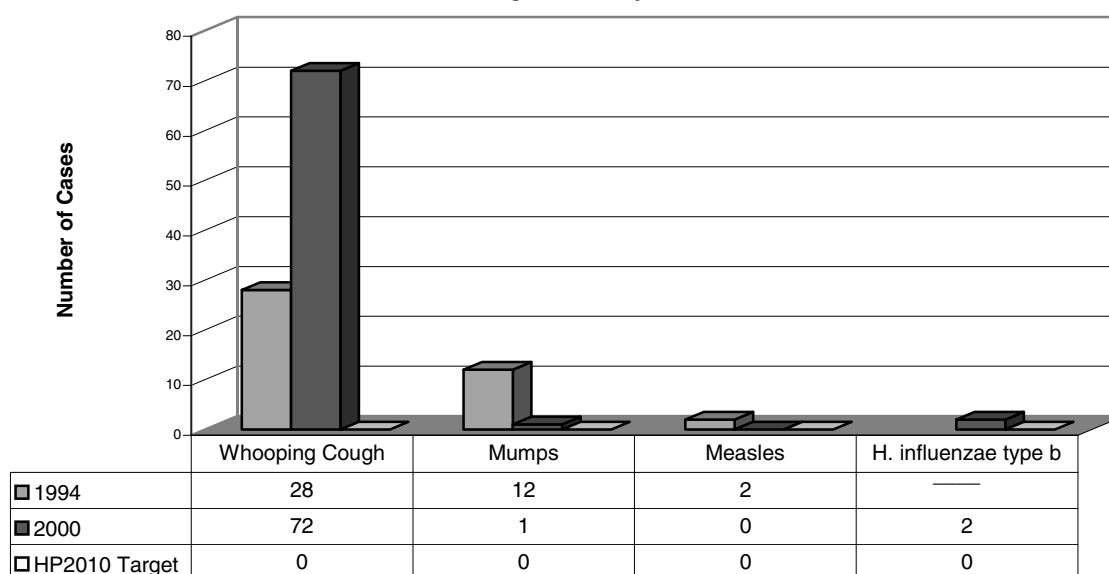
Tuberculosis Incidence Rates* for
Maryland and the US, 1990-2000



*Source: DHMH, CPHA, EDCP, TBCRMH

IMMUNIZATION - CHILDHOOD

Number of Cases of Vaccine-Preventable Infectious Diseases in Children
Under Age Five, Maryland, 1994 and 2000

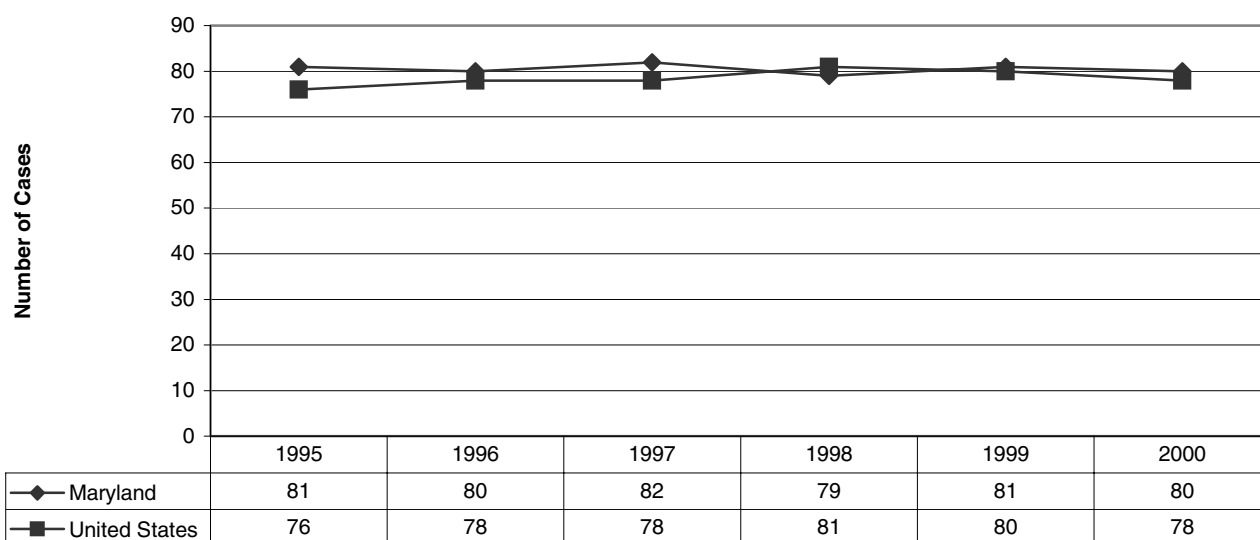


*Source: DHMH, CHA, EDCP, Center for Immunization

IMMUNIZATION AND INFECTIOUS DISEASE

IMMUNIZATION - CHILDHOOD

Percent of Children Vaccinated* with 4 DTP**, 3 Polio, 1 Measles Among Children Age 19-35 Months, Maryland and the US, 1995-2000



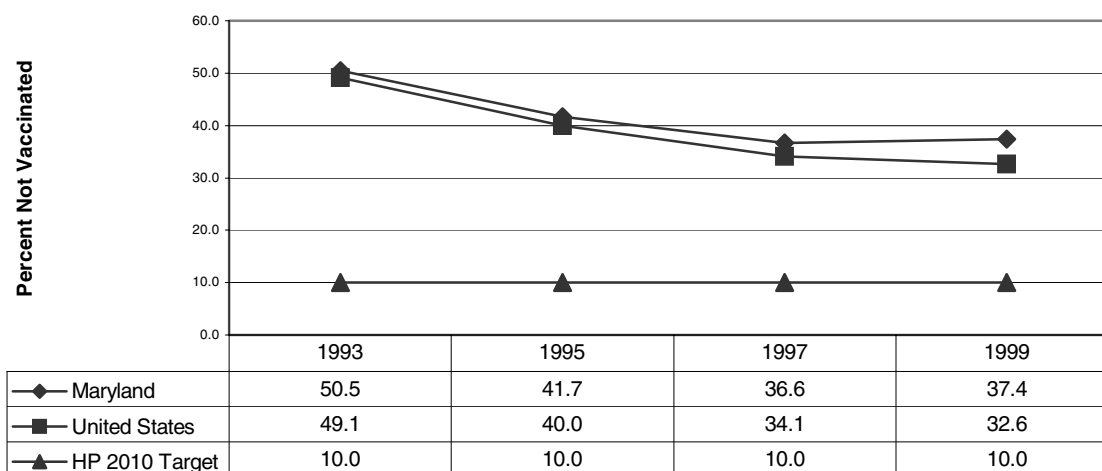
*Source: DHMH, CHA, EDCP, Center for Immunization ; US data from the National Immunization Survey prepared by EDCP.

**DTP: Diphtheria, Tetanus, and Pertussis

IMMUNIZATION AND INFECTIOUS DISEASE

IMMUNIZATION - FLU

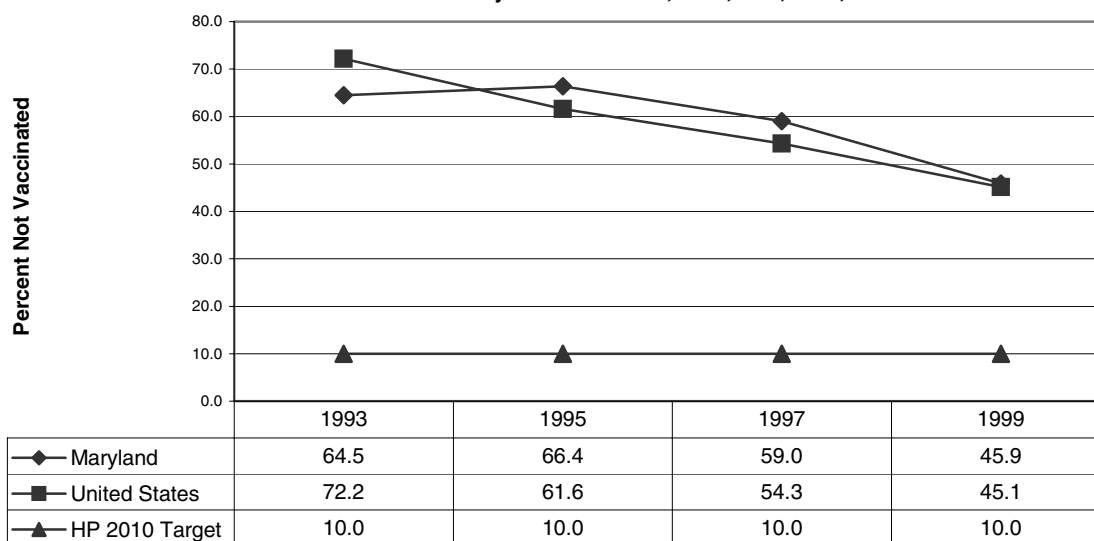
Percent of People Age 65 and Older Who Reported Not Receiving a Flu Vaccination Within the Past 12 Months*, Maryland and the US, 1993,1995,1997,1999



*Source: CDC BRFSS Interactive Database (Internet: 04/16/02).

IMMUNIZATION - PNEUMONIA

Percent of People Age 65 and Older Who Reported Never Receiving a Pneumococcal Vaccination*, Maryland and the US, 1993,1995, 1997, 1999

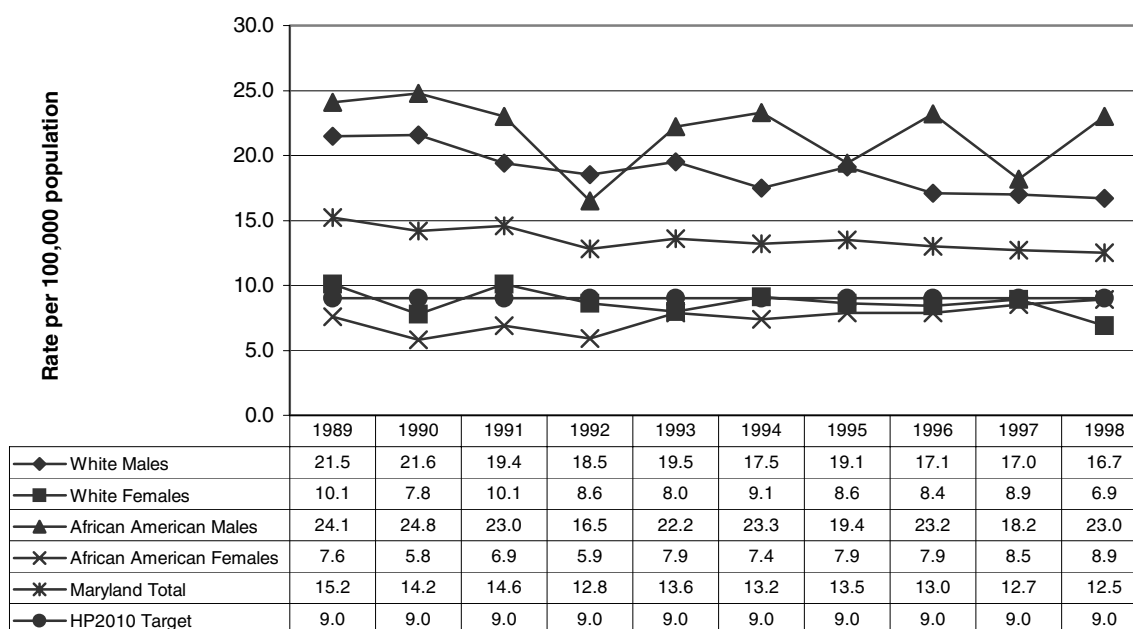


*Source: CDC BRFSS Interactive Database (Internet: 04/16/02).

INJURY

MOTOR VEHICLE DEATHS

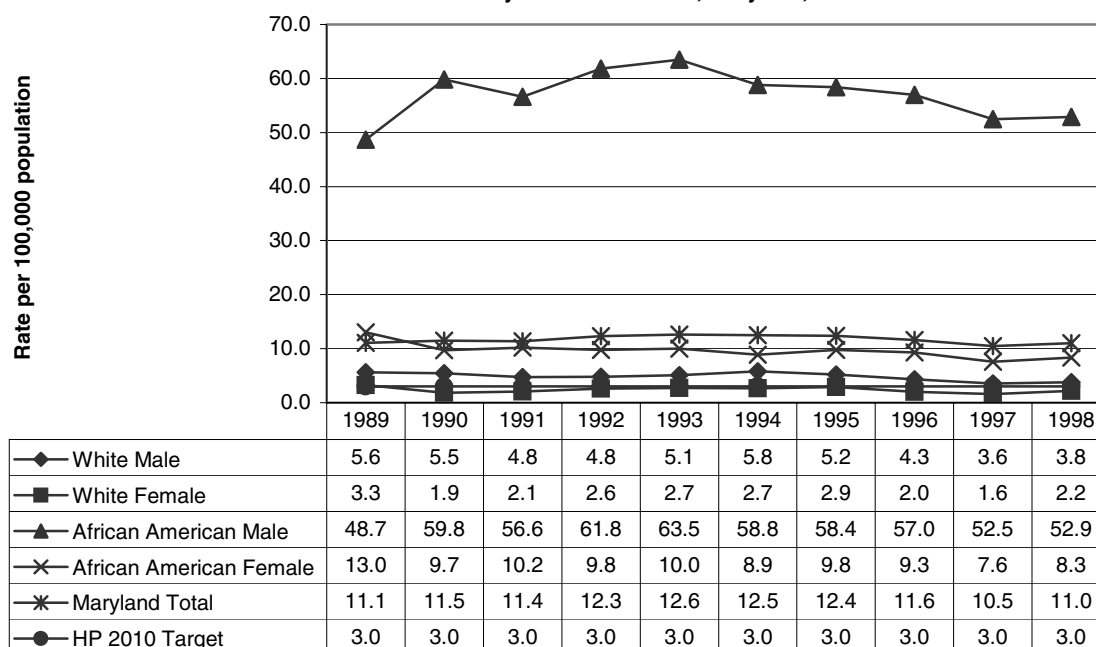
Age-Adjusted Death Rate* for Motor-Vehicle Crashes,
by Gender and Race, Maryland, 1989-1998



*Source: CDC Wonder Compressed Mortality File (Internet: 8/8/02);
Death rates are age-adjusted to the 2000 standard US population

HOMICIDE

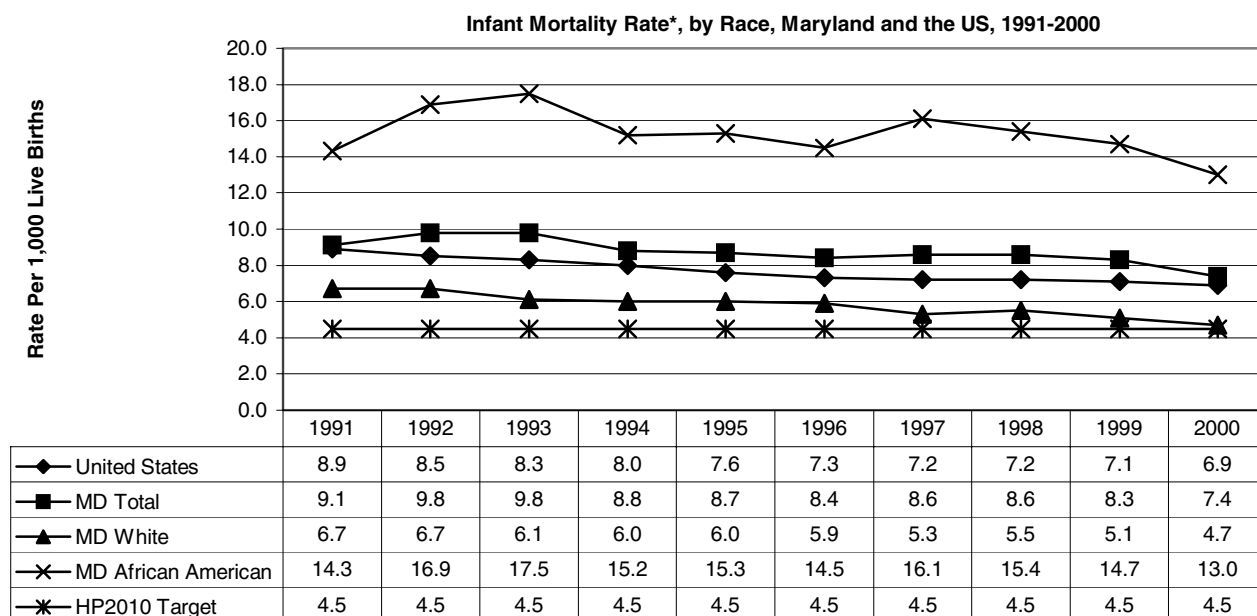
Age-Adjusted Death Rate* for Homicide,
by Race and Gender, Maryland, 1989-1998



*Source: CDC Wonder Compressed Mortality File (Internet: 8/8/02);
Death rates are age-adjusted to the 2000 standard US population

INFANT HEALTH

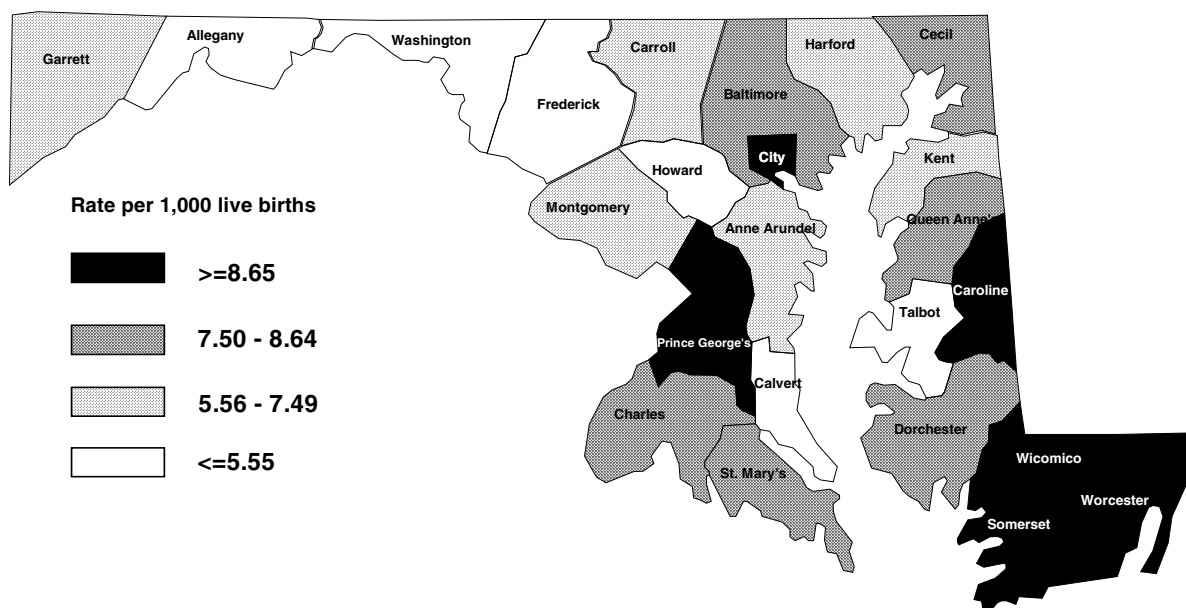
INFANT DEATHS



*Source: DHMH, VSA

INFANT DEATHS

Average Infant Mortality Rate*, by Maryland Jurisdiction, All Races, 1996 - 2000



*Source: DHMH, VSA

INFANT HEALTH

INFANTS DEATHS

| Average Infant Mortality Rate*¹, by Maryland Jurisdiction, All Races, 1996 - 2000 | |
|---|----------------------------|
| | Rate per 1,000 live births |
| Maryland | 8.3 |
| Allegany County ² | 4.5 |
| Anne Arundel County | 6.6 |
| Baltimore County | 7.7 |
| Calvert County | 5.5 |
| Caroline County | 16.7 |
| Carroll County | 5.6 |
| Cecil County | 8.6 |
| Charles County | 7.6 |
| Dorchester County ² | 8.5 |
| Frederick County | 5.0 |
| Garrett County ² | 7.4 |
| Harford County | 6.4 |
| Howard County | 5.4 |
| Kent County ² | 7.1 |
| Montgomery County | 6.2 |
| Prince George's County | 11.3 |
| Queen Anne's County ² | 8.5 |
| St. Mary's County | 8.2 |
| Somerset County | 8.7 |
| Talbot County ² | 5.3 |
| Washington County | 5.0 |
| Wicomico County | 9.1 |
| Worcester County | 9.3 |
| Baltimore City County | 12.6 |

*Source: DHMH, VSA

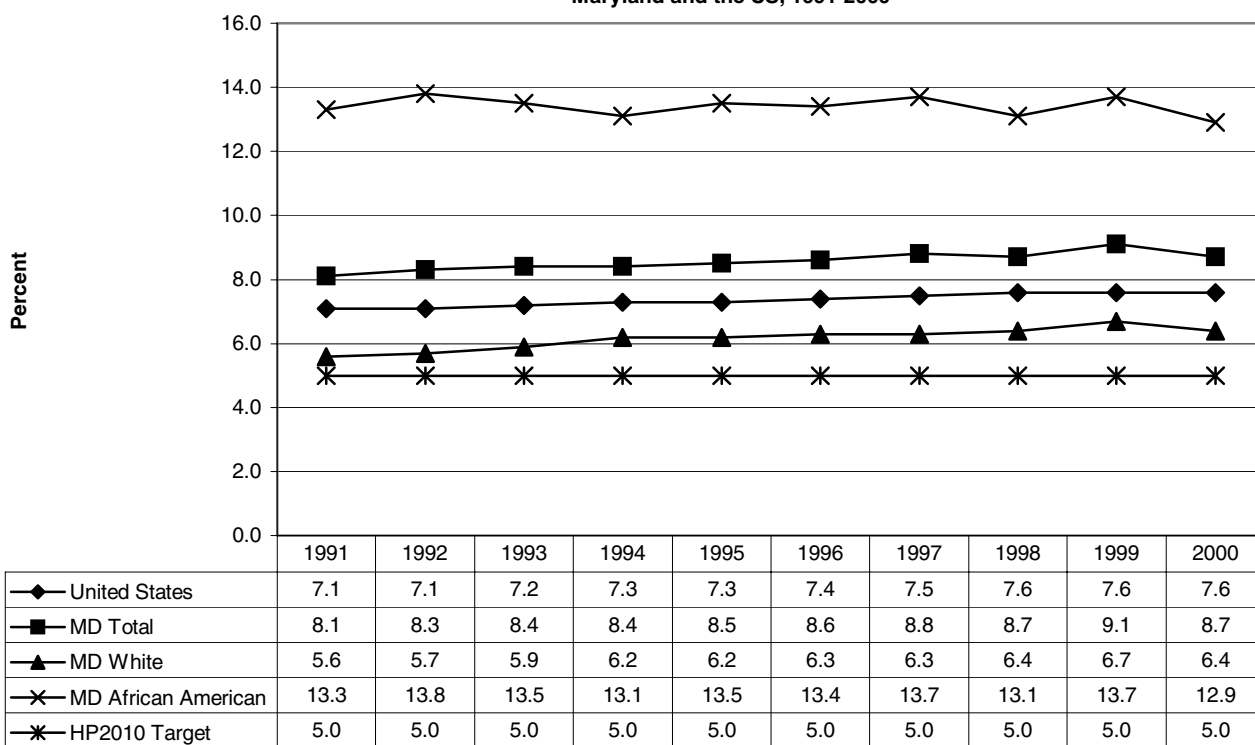
¹Deaths occurring to persons under one year of age.

²Death rates based on counts <20 are flagged as unreliable.

INFANT HEALTH

LOW BIRTH WEIGHT

Percentage of Low Birth Weight Infants*, by Race,
Maryland and the US, 1991-2000



*Source: DHMH, VSA

INFANT HEALTH

LOW BIRTH WEIGHT

| Percentage of Low Birth Weight Infants* ^{1,2} , by Race and Maryland Jurisdiction, 2000 | | | | | | |
|--|--------------------|--------------------|--------------|------------------|---------------------------|-----------------------|
| PERCENT ⁶ | | | | | | |
| | Total ³ | White | | African American | Asian or Pacific Islander | Hispanic ⁵ |
| | | Total ⁴ | Non-Hispanic | | | |
| Maryland | 8.7 | 6.4 | 6.4 | 12.9 | 7.7 | 6.5 |
| Allegany County | 6.9 | 7.2 | 7.3 | * | * | * |
| Anne Arundel County | 6.9 | 5.6 | 5.7 | 12.9 | 9.7 | 4.6 |
| Baltimore County | 8.5 | 7.0 | 6.9 | 12.3 | 8.2 | 7.6 |
| Calvert County | 6.2 | 5.1 | 5.2 | 14.0 | * | * |
| Caroline County | 9.6 | 6.9 | 7.1 | 22.1 | * | * |
| Carroll County | 5.9 | 5.9 | 5.9 | * | * | * |
| Cecil County | 8.0 | 7.4 | 7.4 | 22.2 | * | * |
| Charles County | 8.1 | 7.2 | 7.4 | 10.1 | * | * |
| Dorchester County | 8.5 | 7.5 | 7.2 | 10.3 | * | * |
| Frederick County | 6.9 | 6.4 | 6.3 | 12.9 | * | 7.8 |
| Garrett County | 6.9 | 6.9 | 7.0 | * | * | * |
| Harford County | 6.4 | 5.7 | 5.7 | 11.4 | * | * |
| Howard County | 6.5 | 5.3 | 5.2 | 11.8 | 6.8 | 6.1 |
| Kent County | 10.3 | 9.1 | 9.5 | 16.2 | * | * |
| Montgomery County | 7.2 | 6.3 | 6.1 | 10.2 | 7.4 | 6.7 |
| Prince George's County | 10.0 | 6.4 | 6.2 | 11.7 | 9.2 | 6.7 |
| Queen Anne's County | 8.2 | 7.1 | 7.3 | 13.5 | * | * |
| St. Mary's County | 7.9 | 6.9 | 6.9 | 14.5 | * | * |
| Somerset County | 8.4 | 5.7 | 6.1 | 12.5 | * | * |
| Talbot County | 7.3 | 6.6 | 7.0 | 11.3 | * | * |
| Washington County | 7.7 | 7.1 | 7.0 | 16.4 | * | * |
| Wicomico County | 9.5 | 7.2 | 7.4 | 13.8 | * | * |
| Worcester County | 5.8 | 3.4 | 3.6 | 10.1 | * | * |
| Baltimore City | 13.8 | 8.2 | 8.3 | 15.9 | 7.2 | 6.7 |

*Source: DHMH, VSA

¹Includes 11 births with weight not stated.

²Weighing 2,499 grams or less.

³Includes races categorized as 'other'.

⁴Race and Hispanic origin are reported separately on the birth certificate. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race.

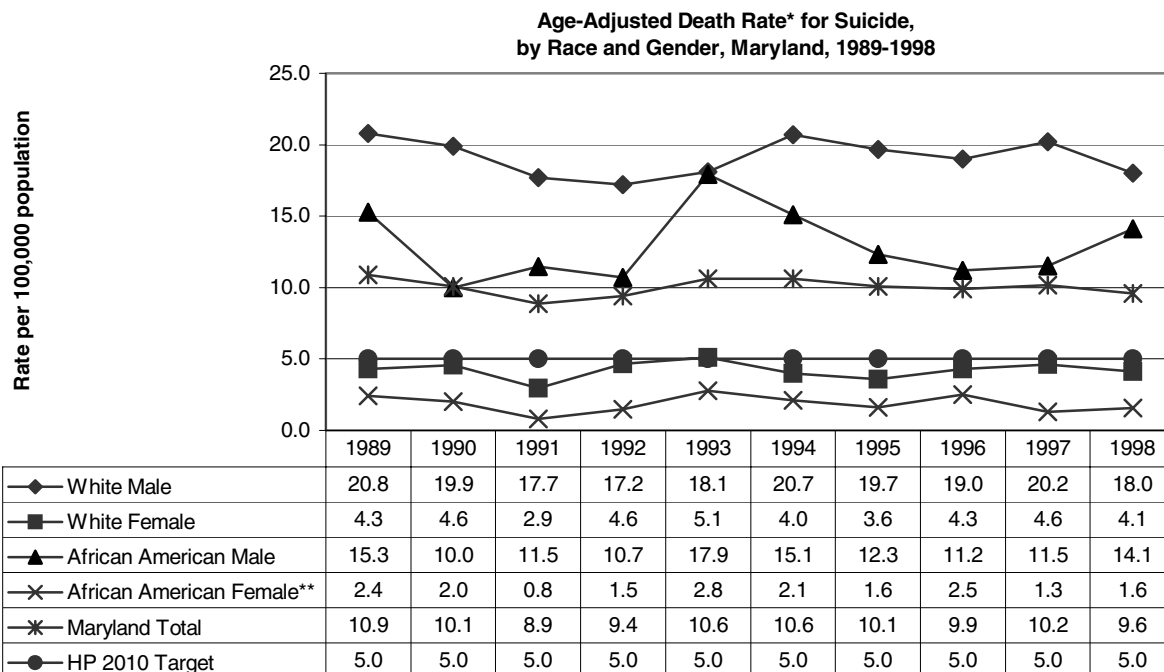
⁵Includes all births to mothers of Hispanic origin of any race.

⁶Percent of total births in the specified racial or Hispanic group.

*Percentages based on <5 events in the numerator are not stable and not reported.

MENTAL HEALTH

SUICIDE



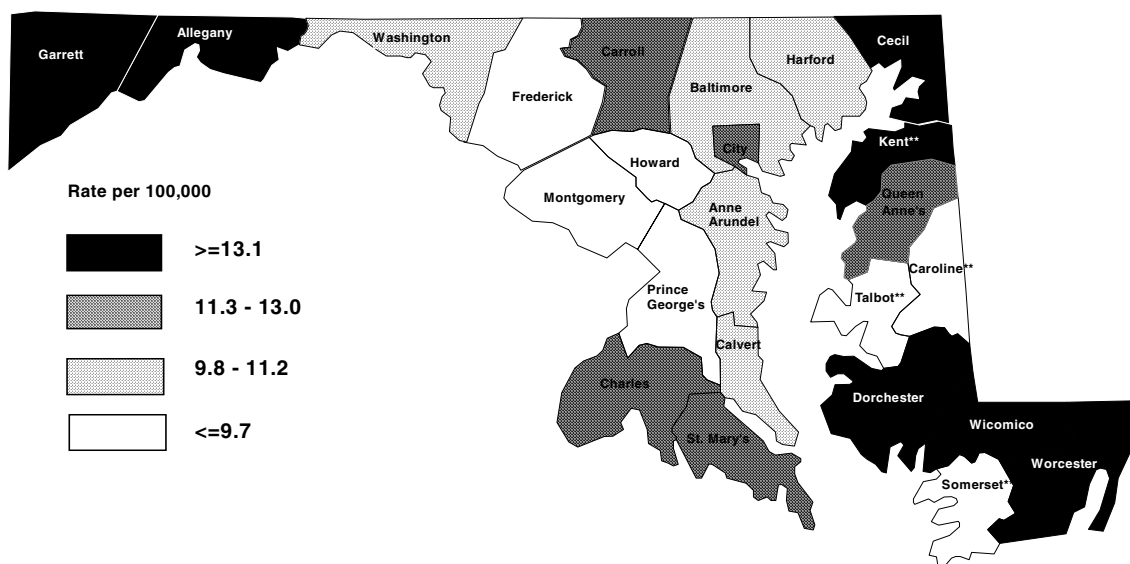
*Source: CDC Wonder Compressed Mortality File (Internet: 8/8/02);

Death rates are age-adjusted to the 2000 standard US population

** Based on less than 20 deaths

SUICIDE

Age-Adjusted Death Rate* for Suicide, by Maryland Jurisdiction, 1994-1998



*Source: CDC Wonder Compressed Mortality File (Internet: 4/16/02);

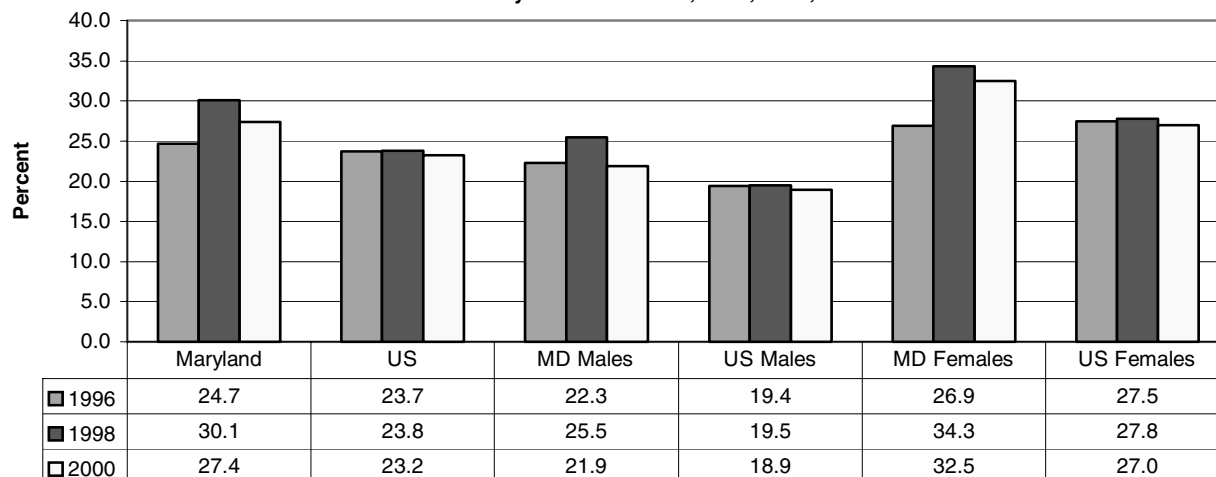
Death rates are age-adjusted to the 2000 standard US population.

** Death rates bases on counts <20 are flagged as unreliable.

NUTRITION

FRUITS & VEGETABLES

Percent of Maryland and US Adults¹ Consuming 5 or More Fruits and Vegetables Per Day*, by Gender and Year, Maryland and the US, 1996, 1998, 2000

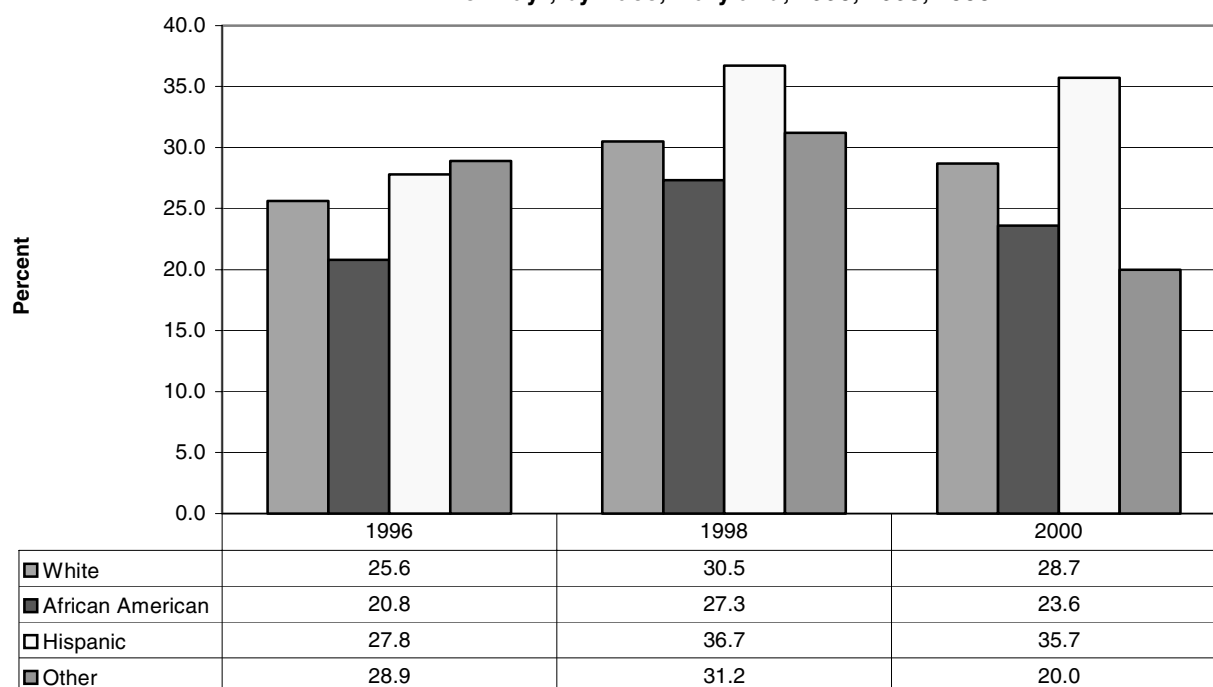


*Source: CDC BRFSS Interactive Database (Internet: 03/08/02).

¹Respondents aged 18 and older.

FRUITS & VEGETABLES

Percent of Maryland Adults¹ Consuming 5 or More Fruits and Vegetables Per Day*, by Race, Maryland, 1996, 1998, 2000



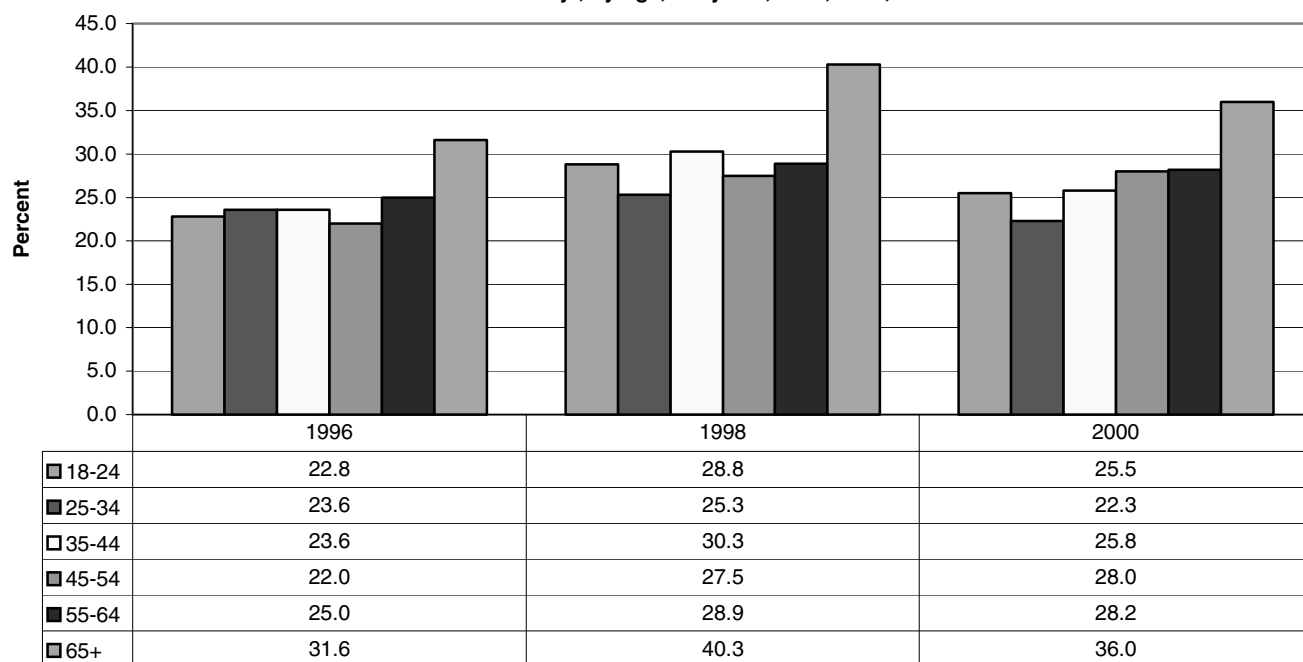
*Source: CDC BRFSS Interactive Database (Internet: 03/08/02).

¹Respondents aged 18 and older.

NUTRITION

FRUITS & VEGETABLES

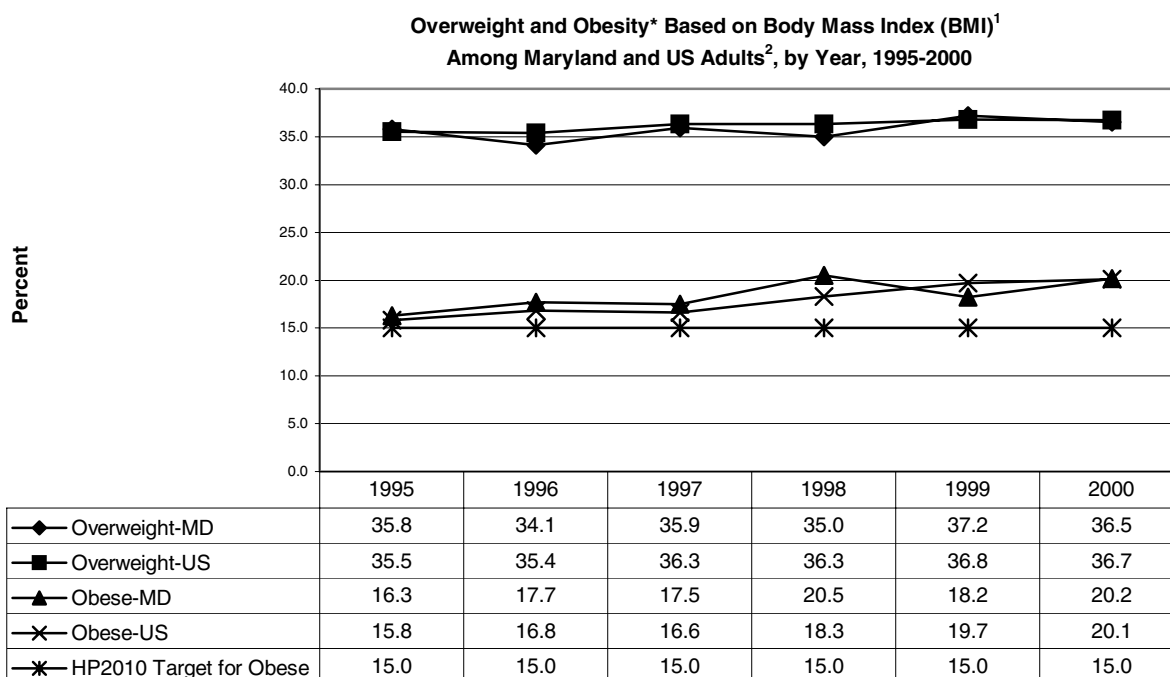
Percent of Maryland Adults¹ Consuming 5 or More Fruits and Vegetables
Per Day*, by Age, Maryland, 1996, 1998, 2000



*Source: CDC BRFSS Interactive Database (Internet: 03/08/02).

¹Respondents aged 18 and older.

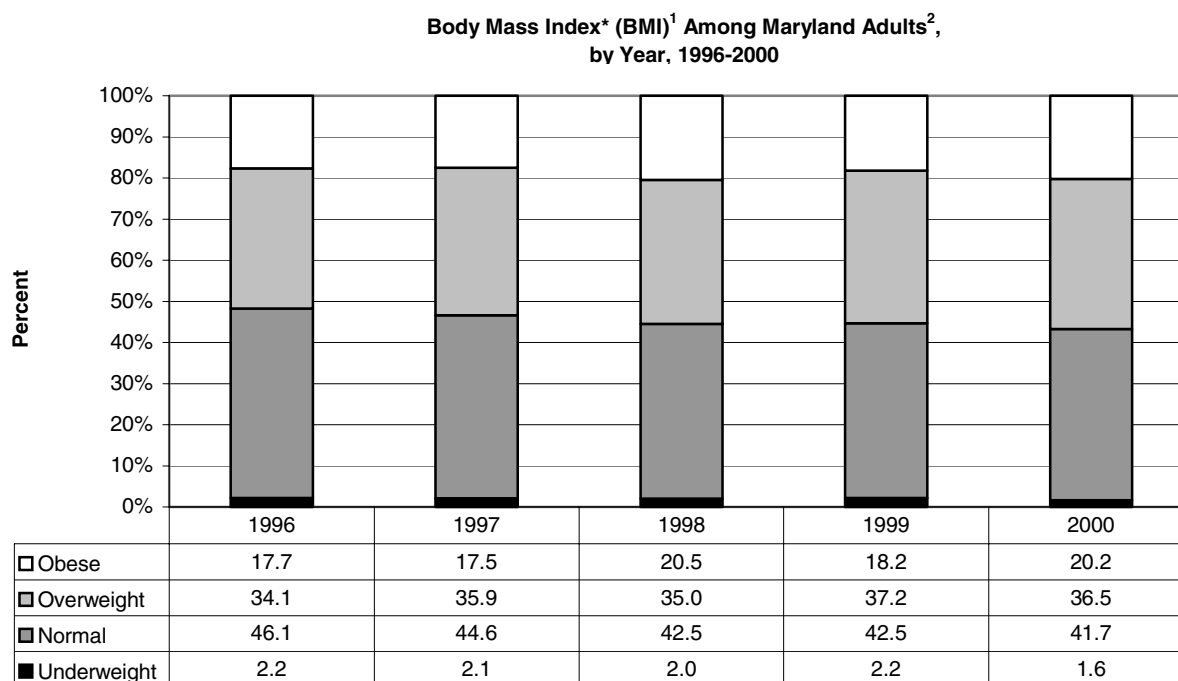
OVERWEIGHT & OBESITY



*Source: CDC BRFSS Interactive Database (Internet: 02/11/02).

¹BMI is defined as weight in kilograms divided by height in meters squared (w/h²).

²Respondents 18 and older who report that their Body Mass Index (BMI) is 25.0 - 29.9 for overweight or 30.0 or more for obese.



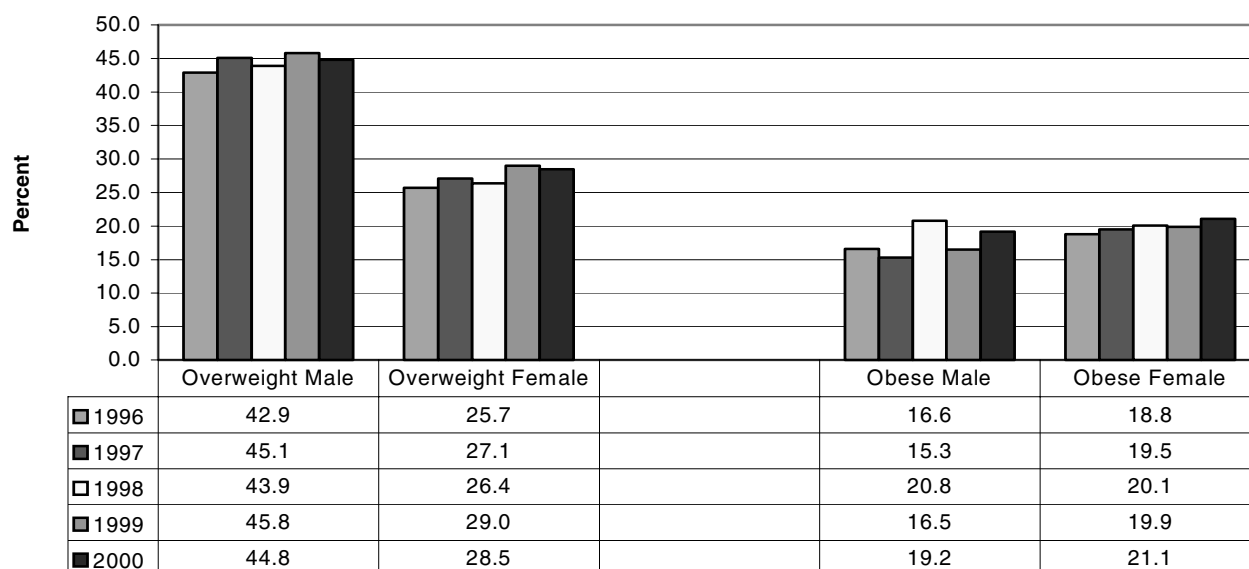
*Source: DHMH, FHA, IPHA, MD Behavioral Risk Factor Surveillance System

¹BMI is defined as weight in kilograms divided by height in meters squared (w/h²); <18.5 is underweight, 18.5 to <25.0 is normal, 25.0 to <30.0 is overweight, and 30.0 or greater is obese.

²Respondents aged 18 and older.

OVERWEIGHT & OBESITY

**Overweight and Obese* Based on Body Mass Index (BMI)¹
Among Maryland Adults², by Gender and Year, 1996-2000**

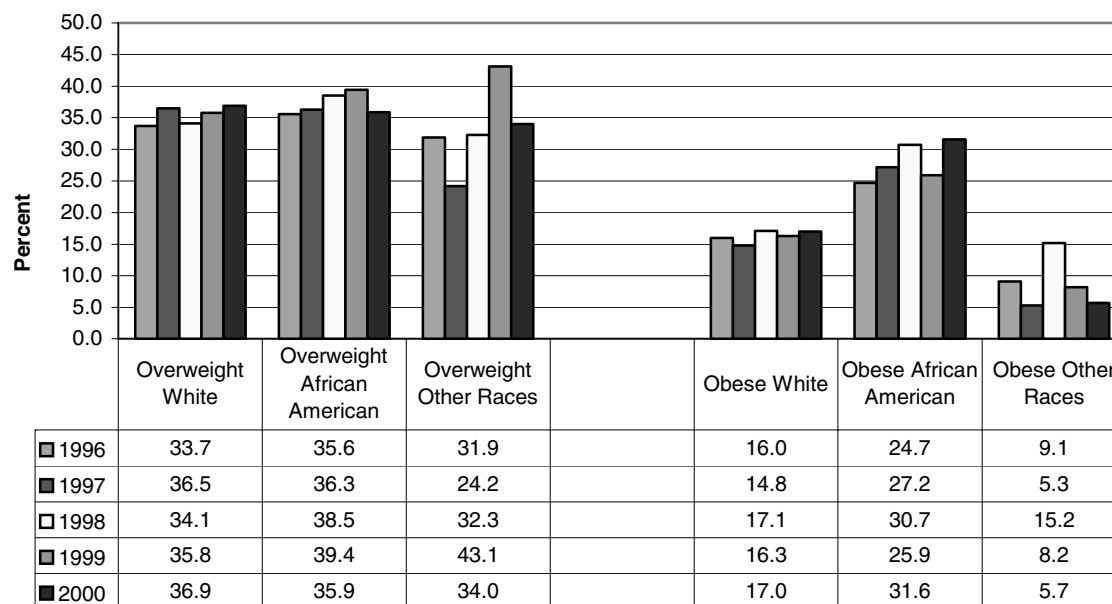


*Source: DHMH, FHA, IPHA, MD Behavioral Risk Factor Surveillance System

¹BMI is defined as weight in kilograms divided by height in meters squared (w/h**2).

²Respondents 18 and older who report that their Body Mass Index (BMI) is 25.0 - 29.9 for overweight and 30.0 or more for obese.

**Overweight and Obese* Based on Body Mass Index (BMI)¹
Among Maryland Adults², by Race and Year, 1996-2000**



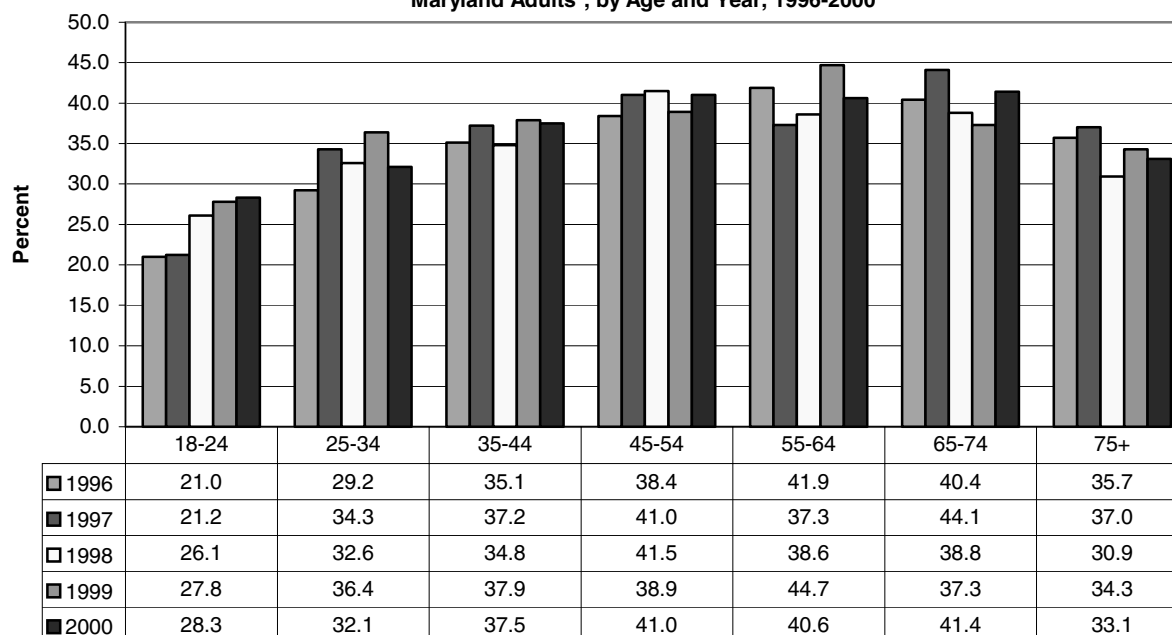
*Source: DHMH, FHA, IPHA, MD Behavioral Risk Factor Surveillance System

¹BMI is defined as weight in kilograms divided by height in meters squared (w/h**2).

²Respondents 18 and older who report that their Body Mass Index (BMI) is 25.0 - 29.9 for overweight and 30.0 or more for obese.

OVERWEIGHT & OBESITY

Overweight* Based on Body Mass Index (BMI)¹ Among Maryland Adults², by Age and Year, 1996-2000

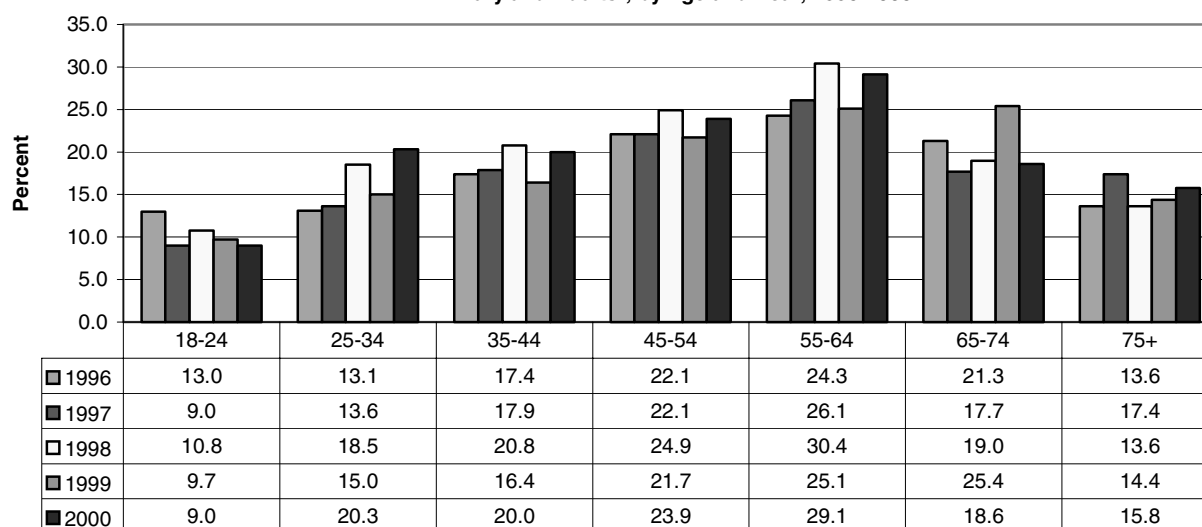


*Source: DHMH, FHA, IPHA, MD Behavioral Risk Factor Surveillance System

¹BMI is defined as weight in kilograms divided by height in meters squared (w/h**2).

²Respondents 18 and older who report that their Body Mass Index (BMI) is 25.0 - 29.9 (overweight).

Obesity* Based on Body Mass Index (BMI)¹ Among Maryland Adults², by Age and Year, 1996-2000



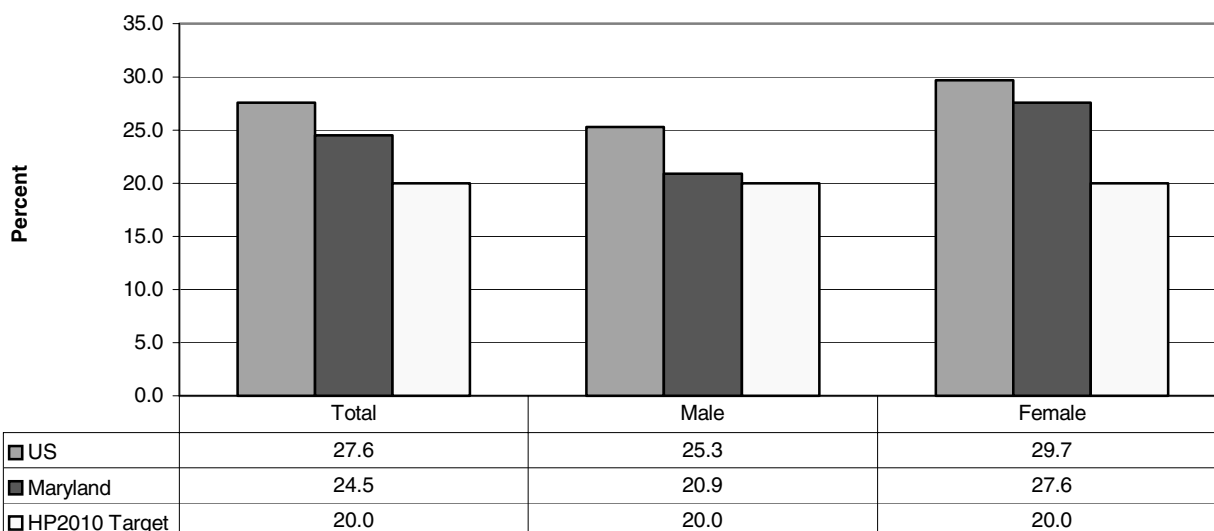
*Source: DHMH, FHA, IPHA, MD Behavioral Risk Factor Surveillance System

¹BMI is defined as weight in kilograms divided by height in meters squared (w/h**2).

²Respondents 18 and older who report that their Body Mass Index (BMI) is 30.0 or more (obese).

PHYSICAL ACTIVITY

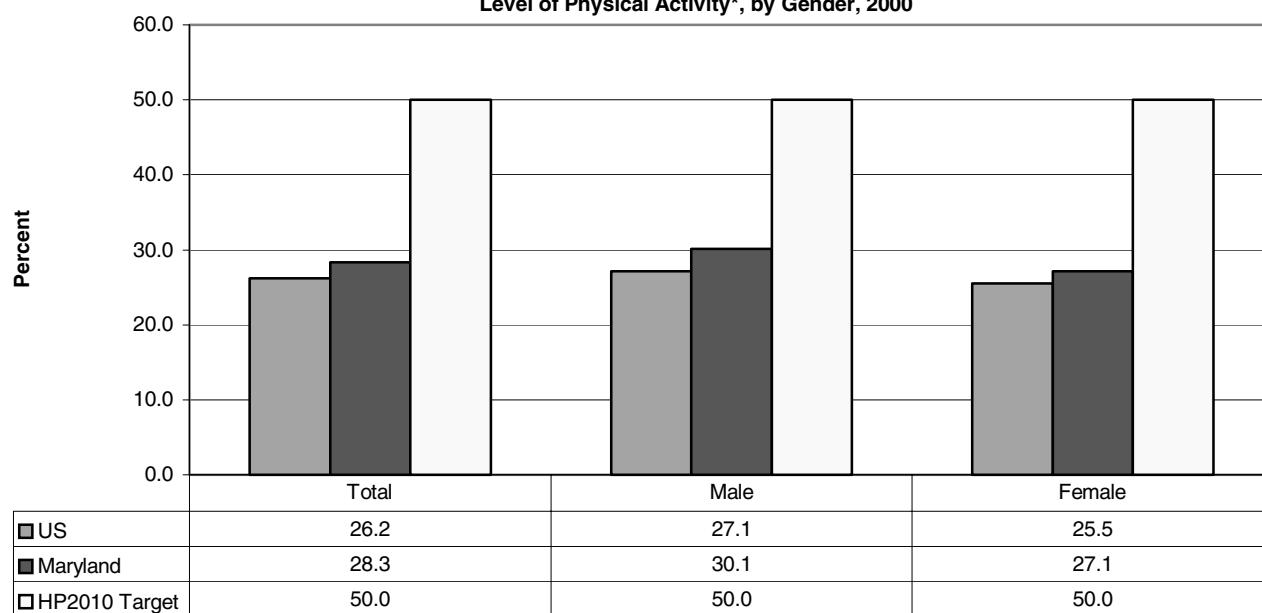
Percent of Maryland and US Adults¹ that are
Physically Inactive*, by Gender, 2000



*Source: CDC, Division of Nutrition and Physical Activity (Internet: 02/13/02).

¹Respondents aged 18 and older.

Percent of Maryland and US Adults¹ with the Recommended
Level of Physical Activity*, by Gender, 2000



*Source: CDC, Division of Nutrition and Physical Activity (Internet: 02/13/02).

¹Respondents aged 18 and older.

SEXUALLY TRANSMITTED DISEASES

GONORRHEA

| Incidence Rate* for Gonorrhea, by Maryland Jurisdiction, 2000 | |
|--|-----------------------------|
| | Rate per 100,000 population |
| Maryland | 185.7 |
| Allegany County | 5.3 |
| Anne Arundel County | 62.9 |
| Baltimore County | 77.3 |
| Calvert County | 68.4 |
| Caroline County | 107.5 |
| Carroll County | 12.6 |
| Cecil County | 59.3 |
| Charles County | 107.8 |
| Dorchester County | 335.8 |
| Frederick County | 41.0 |
| Garrett County | 3.4 |
| Harford County | 58.1 |
| Howard County | 26.6 |
| Kent County | 72.9 |
| Montgomery County | 39.5 |
| Prince George's County | 208.6 |
| Queen Anne's County | 64.1 |
| St. Mary's County | 67.3 |
| Somerset County | 202.0 |
| Talbot County | 130.1 |
| Washington County | 118.3 |
| Wicomico County | 296.5 |
| Worcester County | 135.4 |
| Baltimore City | 860.5 |

*Source: DHMH, CHA, EDCP, Division of Sexually Transmitted Diseases

SEXUALLY TRANSMITTED DISEASES

SYPHILIS

| Primary and Secondary Syphilis Incidence Rate*, by Maryland Jurisdiction, 2000 | |
|---|-----------------------------|
| | Rate per 100,000 Population |
| Maryland | 5.7 |
| Allegany County | 0.0 |
| Anne Arundel County | 3.5 |
| Baltimore County | 3.2 |
| Calvert County | 0.0 |
| Caroline County | 13.4 |
| Carroll County | 0.7 |
| Cecil County | 0.0 |
| Charles County | 0.0 |
| Dorchester County | 0.0 |
| Frederick County | 0.0 |
| Garrett County | 0.0 |
| Harford County | 1.8 |
| Howard County | 2.4 |
| Kent County | 0.0 |
| Montgomery County | 0.1 |
| Prince George's County | 2.5 |
| Queen Anne's County | 2.5 |
| St. Mary's County | 0.0 |
| Somerset County | 0.0 |
| Talbot County | 3.0 |
| Washington County | 0.0 |
| Wicomico County | 2.4 |
| Worcester County | 2.1 |
| Baltimore City | 33.5 |

*Source: DHMH, CHA, EDCP- Division of Sexually Transmitted Diseases

TOBACCO AND ILLICIT DRUG USE

TOBACCO USE

Healthy People 2010 Objective 27-1a: Reduce cigarette smoking by adults, Maryland and the US.

| Current Smokers | NHIS1998 Baseline | 2010 Target | 2000 BRFSS | 2000 MATS* | 1999 NHSDA** |
|-----------------|-------------------|-------------|------------|------------|--------------|
| Total | 24% | 12% | 20.5% | 17.5% | 23.1% |
| Asian | | | | 5.6% | 5.6% |
| Black or AA | | | 21.7% | 20.5% | 20.5% |
| White | | | 21.0% | 16.9% | 21.0% |
| Hispanic | | | | 18.3% | 18.3% |
| Female | | | 19.1% | 15.7% | 15.7% |
| Male | | | 22.0% | 19.5% | 19.5% |

*Maryland Adult Tobacco Survey, 2000.

**National Household Survey on Drug Abuse, 1999.

TOBACCO USE

Healthy People 2010 Objective 27-2: Reduce tobacco use by adolescents (Grades 9-12), Maryland and the US.

| Past Month Usage | YRBSS ¹ 1999 Baseline | 2010 Target | High School 2000 MYTS ² | 1999 NYTS ³ | 2001 MAS ⁴ |
|-------------------------|-------------------------------------|-------------|---------------------------------------|---------------------------|--------------------------|
| 27-2a. Tobacco products | 40% | 21% | 30.1% | 34.8% | |
| 27-2b. Cigarettes | 35% | 16% | 23.7% | 28.5% | 25.5% |
| 27-2c. Spit tobacco | 8% | 1% | 5.0% | 6.6% | 3.0% |
| 27-2d. Cigars | 18% | 8% | 17.1% | 19.1% | |

¹Youth Risk Behavior Surveillance System, 1999.

²Maryland Youth Tobacco Survey, 2000.

³National Youth Tobacco Survey, 1999.

⁴Maryland Adolescent Survey, 2001; 12 Graders only.

⁵Other tobacco products (cigars, bidis, kreteks).

NHSDA: Past month use of cigarettes for youth ages 12 to 17 years is 13.7% for Maryland and 15.1% for the US.

ILLICIT DRUG USE

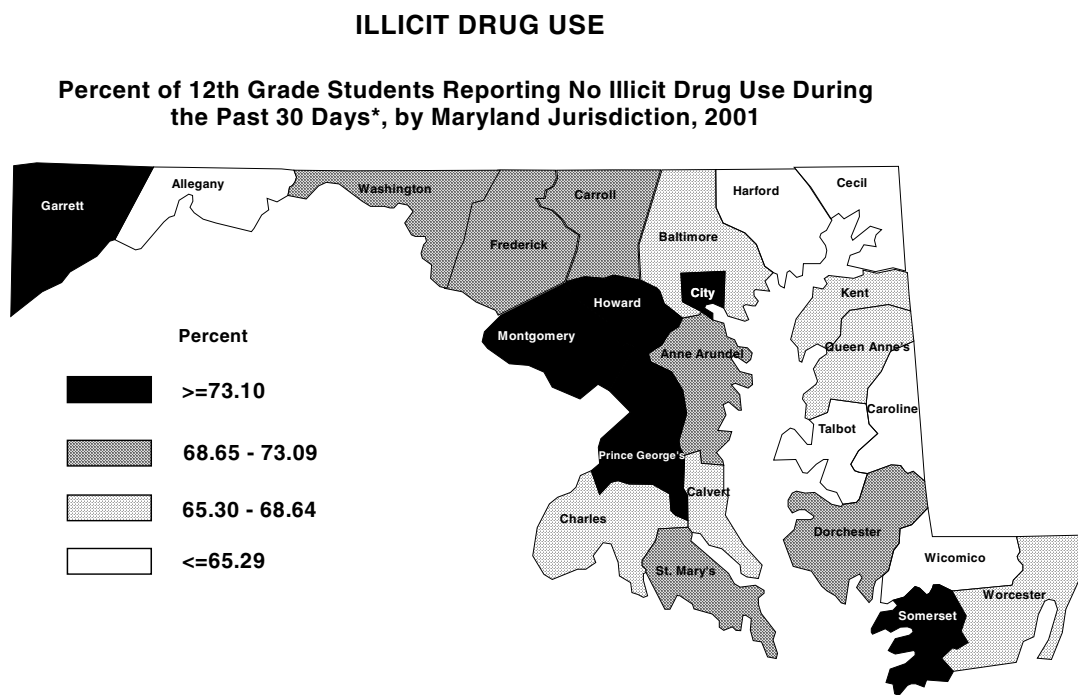
Healthy People Objective 2010 26-9: Increase high school seniors never using substances, Maryland and the US.

| | 1998 Baseline | 2010 Target | 2001 MAS* | 2001 MTF** |
|----------------------|---------------|-------------|-----------|------------|
| 26-9c Alcohol | 19.0% | 29.0% | 27.5% | 20.3% |
| 26-9d Illicit Drugs* | 46.0% | 56.0% | 48.5% | 46.1% |

*12th graders; MAS includes any illicit substance other than alcohol or tobacco.

**MTF includes any illicit substances other than alcohol or tobacco not under a doctor's orders.

ILLICIT DRUG USE



*Source: 2001 Maryland Adolescent Survey

ILLCIT DRUG USE

ILLCIT DRUGS

| Percent of 12th Grade Students Reporting No Illicit Drug Use During the Past 30 Days*, by Maryland Jurisdiction, 2001 | |
|---|---------|
| | Percent |
| US** | 74.3 |
| Maryland | 71.8 |
| Allegany County | 63.4 |
| Anne Arundel County | 70.1 |
| Baltimore County | 65.4 |
| Calvert County | 67.9 |
| Caroline County | 65.2 |
| Carroll County | 68.9 |
| Cecil County | 63.9 |
| Charles County | 68.5 |
| Dorchester Cuntty | 71.6 |
| Frederick County | 72.1 |
| Garrett County | 77.8 |
| Harford County | 64.9 |
| Howard County | 75.6 |
| Kent County** | 66.6 |
| Montgomery County | 74.1 |
| Prince George's County | 77.3 |
| Queen Anne's County | 67.1 |
| St. Mary's County | 68.8 |
| Somerset County | 74.6 |
| Talbot County | 61.9 |
| Washington County | 69.2 |
| Wicomico County | 63.8 |
| Worcester County | 66.5 |
| Baltimore City | 81.3 |

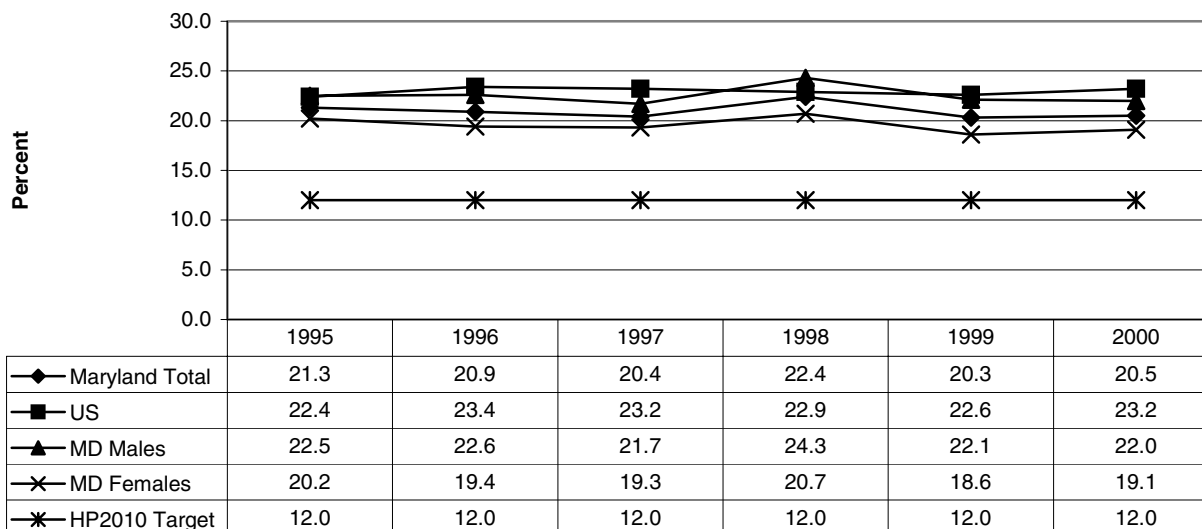
*Source: MSDE, 2001 MAS

**University of Michigan, 2001 MTF Study

TOBACCO USE

CIGARETTE SMOKING

Current Smoking* Among Maryland Adults¹, by Gender and Year,
Maryland and the US, 1995-2000

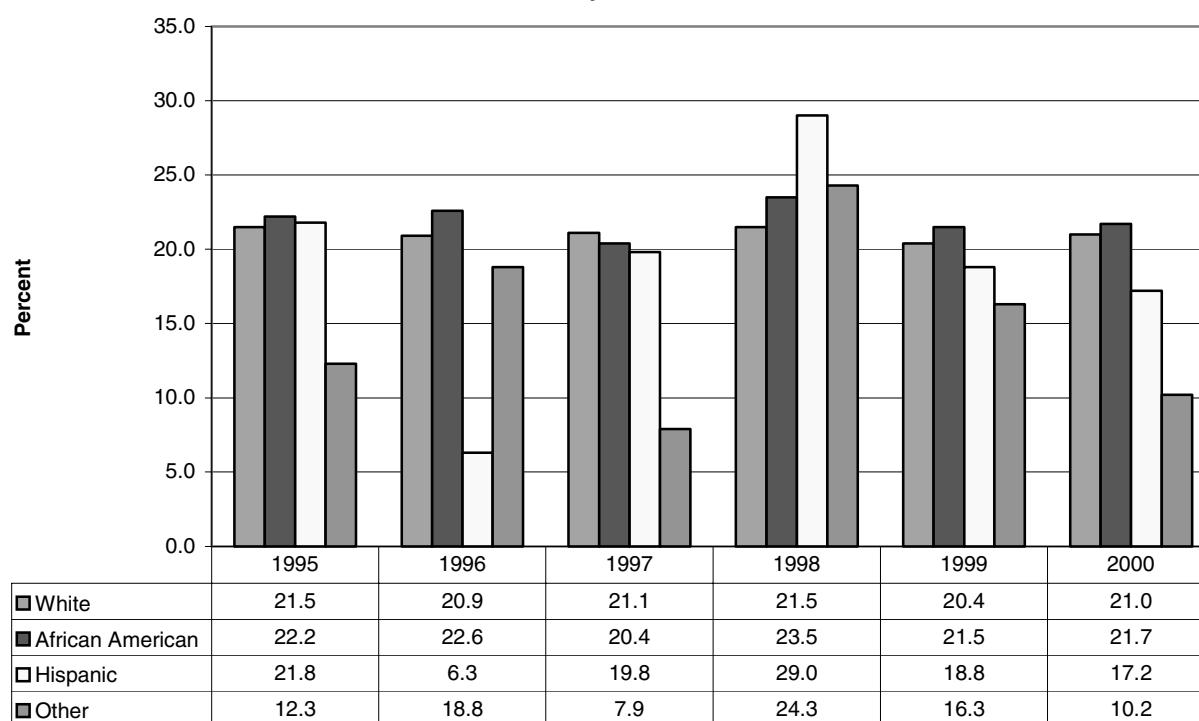


*Source: CDC BRFSS Interactive Database (Internet: 03/13/02).

¹Respondents aged 18 and older who smoked 100 cigarettes in their lifetime and reported smoking every day or some days.

CIGARETTE SMOKING

Current Smoking* Among Maryland Adults¹,
by Race and Year, 1995-2000



*Source: CDC BRFSS Interactive Database (Internet: 03/13/02).

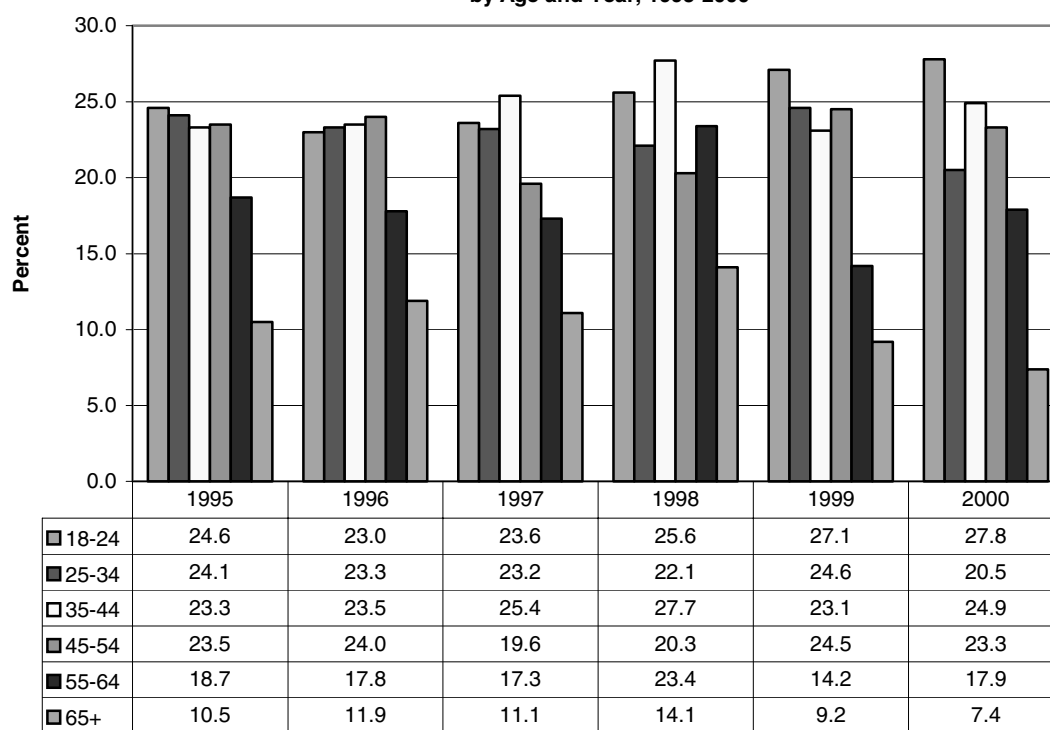
¹Respondents aged 18 and older who smoked 100 cigarettes in their lifetime and reported smoking everyday or somedays.

HEALTHY PEOPLE 2010 INDICATORS

TOBACCO USE

CIGARETTE SMOKING

Current Smoking* Among Maryland Adults¹,
by Age and Year, 1995-2000

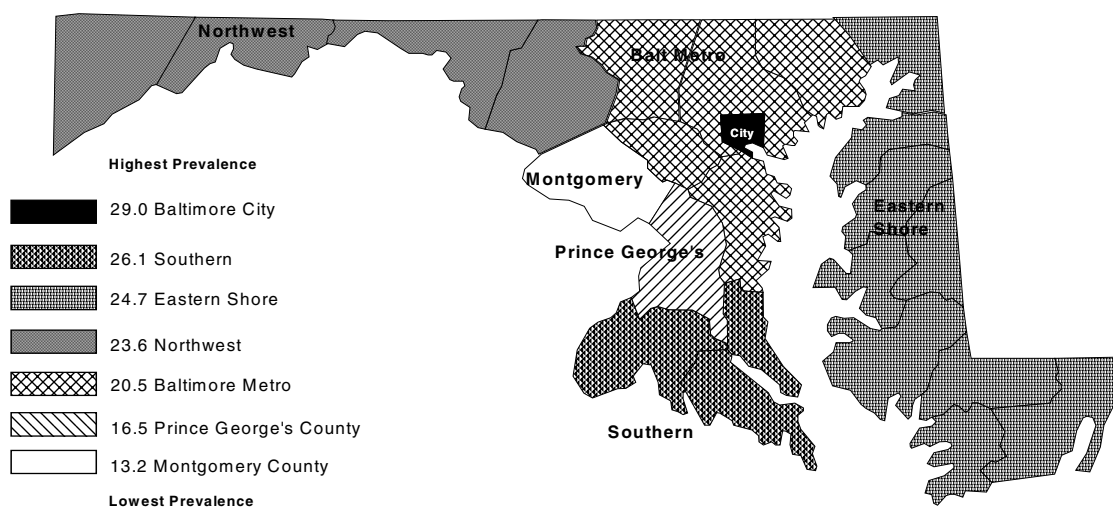


*Source: CDC BRFSS Interactive Database (Internet: 03/13/02).

¹Respondents aged 18 and older who smoked 100 cigarettes in their lifetime and reported smoking everyday or somedays.

CIGARETTE SMOKING

Current Smoking* Among Maryland Adults, by Maryland Region, 2000

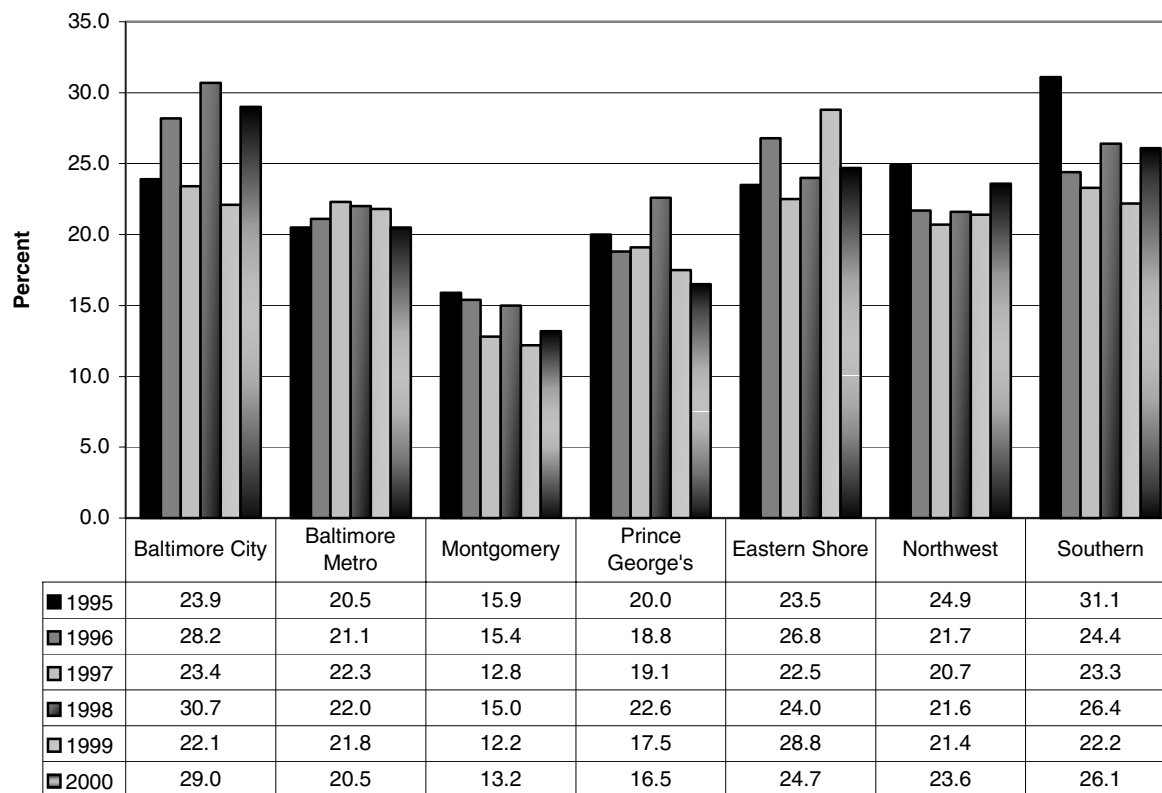


*Source: DHMH, FHA, IPHA, MD Behavioral Risk Factor Surveillance System

TOBACCO USE

CIGARETTE SMOKING

Current Smoking* Among Maryland Adults¹,
by Maryland Region and Year, 1995-2000



*Source: DHMH, FHA, IPHA, MD Behavioral Risk Factor Surveillance System

¹Respondents aged 18 and older who smoked 100 cigarettes in their lifetime and reported smoking everyday or somedays.

Technical Notes

1. Healthy People 2010 set the target for adult cholesterol screening within the past five years as 80%. Because the BRFSS reports the proportion of the population at risk for not having their cholesterol checked within five years, the Healthy People 2010 target was changed to 20% for this report.
2. The Maryland Adolescent Survey (MAS) is modeled on the Monitoring the Future (MTF) study. The national estimates for any illicit drug use in the past 30 days in the MTF study includes: marijuana, LSD, other hallucinogens, crack, other cocaine, heroin, or any narcotics, amphetamines, barbiturates, or tranquilizers not under a doctors orders. The state estimates from the MAS include any drug other than alcohol or tobacco.

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APPENDICES

- **ACRONYMS**
- **GENERAL NOTES FOR DATA USERS**
- **ICD-9 AND ICD-10 CODES USED FOR MORTALITY RATES**
- **SUMMARY LIST OF SOURCES**
- **LIST OF CONTRIBUTORS BY FOCUS AREA**

ACRONYMS

| | |
|---------|--|
| BMI | Body Mass Index |
| BRFSS | Behavioral Risk Factor Surveillance System |
| BSA | Beneficiary Services Administration |
| CDC | Centers For Disease Control and Prevention |
| CHA | Community Health Administration |
| CPS | Current Population Survey |
| DHHS | Department of Health and Human Services |
| DHMH | Department of Health and Mental Hygiene |
| DNPA | Division of Nutrition and Physical Activity |
| EDCP | Epidemiology and Disease Control Program |
| EPA | Environmental Protection Agency |
| FHA | Family Health Administration |
| HIP | Health Improvement Plan |
| HPSA | Health Professional Shortage Areas |
| HSCRC | Health Services Cost Review Commission |
| IPHA | Injury Prevention and Health Assessment |
| MAS | Maryland Adolescent Survey |
| MATS | Maryland Adult Tobacco Survey |
| MCHP | Maryland Children's Health Program |
| MCR | Maryland Cancer Registry |
| MERSS | Maryland Electronic Reporting and Surveillance System |
| MHCC | Maryland Health Care Commission |
| MTF | Monitoring the Future Study |
| MYTS | Maryland Youth Tobacco Survey |
| NCCDPHP | National Centers for Chronic Disease Prevention and Health Promotion |
| NCHS | National Center for Health Statistics |
| NHSDA | National Household Survey on Drug Abuse |
| NYTS | National Youth Tobacco Survey |
| NVSS | National Vital Statistics System |
| OOE | Office of Operations and Eligibility |
| TBCRMH | Tuberculosis Control, Refugee, and Migrant Health |
| VSA | Vital Statistics Administration |
| WONDER | CDC'S Resource to Public Health Information |
| YRBSS | Youth Risk Behavior Surveillance System |

GENERAL NOTES FOR DATA USERS

A Note on ICD Codes

Except for breast and lung cancer mortality in Section I, the mortality rates presented in this Chart Book used the International Classification of Disease 9th Revision (ICD-9). For lung and breast cancer in Section I, ICD-9 codes were used for the 1993 baseline values and ICD-10 codes were used for the 1999 current values. The ICD coding used for lung and breast cancer were defined by Maryland's Cancer Registry. The specific ICD codes that were used to query cause of death statistics were taken directly from the *Tracking Healthy People 2010* volume which defined ICD-9 codes for mortality objectives. As of 2002, the CDC and National Vital Statistics System (NVSS) began implementing ICD-10 coding in 1999 cause of death statistics. The ICD-10th Revision is now being used worldwide for deaths that occurred in 1999.

A Note on HP2010 Baseline Values and Mortality Rates

The CDC and NCHS have revised the baseline values for cause of death statistics from 1997/98 to 1999 to be consistent with the ICD-10 coding of 1999 deaths. Baseline values were only reported in Section II of this Chartbook, but are reported for all cause-specific HP2010 mortality objectives on the CDC-NCHS DATA2010 website. Sometime in September 2002, the revised baseline for cause of death statistics will replace the original baselines reported on the CDC-NCHS DATA2010 website.

International Classification of Disease Codes for Mortality Indicators in Healthy Maryland Project 2010 Chartbook

Section I: Healthy Maryland 2000 Indicators

- | | |
|---|--|
| 1. Lung Cancer Mortality | ICD-9: 162.2 – 162.9; ICD-10: C34.0 – C34.9 |
| 2. Female Breast Cancer Mortality | ICD-9: 174.0 - 174.9; ICD-10: C50.0 – C50.9 |
| 3. Lower-Extremity Amputations In Diabetic African Americans | ICD-9 Diagnosis: 250.0 – 250.9 ICD-9 Procedure: 84.10 – 84.19; (traumatic LEA codes 895 – 897 were excluded) |

Section II and III: Healthy People 2010 Indicators

| | |
|-------------------------|--|
| Cancer All Sites | ICD-9: 140.0 - 208.9 |
| Female Breast Cancer | ICD-9: 174.0 - 174.9 |
| Lung Cancer | ICD-9: 162.2 - 162.9 |
| Diabetes | ICD-9: 250.0 - 250.9 |
| CHD | ICD-9: 402.0 - 402.9, 410.0 - 414.9, 429.2 |
| Stroke Mortality | ICD-9: 430.0 - 438.9 |
| Stroke Hospitalizations | ICD-9: 430.0 - 438.9 |
| Motor Vehicle Crashes | ICD-9: E810 - E819 |
| Homicide | ICD-9: E960 - E969 |
| Suicide | ICD-9: E950 - E959 |

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The Healthy Maryland Chart Book 2002

is a publication of
the Maryland Department of Health and Mental Hygiene
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Kathleen Kennedy Townsend, Lt. Governor
Georges C. Benjamin, MD, Secretary, DHMH
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